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The Chemical Market Authority Since 1871

Volume 152 No. 22 December 1, 1947

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Oil, Paint and Drug Reporter

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Wartime Control Restoration Urged

OPD Washington Bureau

Administration spokesmen opened a drive in Congress last week for restoration of wartime powers to control inventories and allocate scarce materials to meet the problem of inflation and implement the program of foreign relief.

Cabinet officers from the three departments primarily concerned — Commerce, Agriculture and Interior—told congressional committees that authority to allocate is essential to keep the economy of the country in balance, but promised that if given the powers they would be used sparingly. Appeals also were received from the Treasury Department and the Federal Reserve Board for renewed controls over credit.

The requests of the departmental secretaries were made in support of the seventh point of President Truman's inflation control and foreign aid program presented to Congress at the opening of the new session. Word has gone down from the White House to department heads to back the program completely and, on the possibility that Congress may grant the requests, work is already on the way on the lower levels of government to put the program into effect.

Secretary of Commerce W. Averell Harriman testified at length before the joint senate and house committee on the economic report of the need for new priority and allocation powers and the manner in which these powers would be exercised. Secretary of Agriculture Anderson, at the same time, appeared before the House banking committee to ask authority to allocate grain to the most essential channels. Undersecretary of Interior Oscar L. Chapman previously had told the committee that even the existence of the power to allocate would help to deter an "explosive" inflationary atmosphere in the fuel situation.

If the authority to allocate scarce materials is granted, Mr. Harriman testified, it is planned to exercise these powers through

—*Continued on page 78*

Flaxseed Production Goal 4,300,000 Acres

A flaxseed production goal of 4,300,000 acres, which is equal to the area planted this year, has been set for 1948 by the Department of Agriculture. The goal is 187 percent of the 1937-41 average plantings of 2,305,000 acres, and 106 percent of the 1942-46 average of 4,072,000 acres.

Goals fixed for the various cultivated crops include the following:—Soybeans, 10,800,000 acres, 101 percent of 1947; peanuts, 2,359,000 acres, 61 percent of 1947; cotton, 22,000,000 acres, 103 percent of 1947; milk, 120,000,000,000 pounds, 100 percent of 1947; eggs, 4,200,000,000 dozen, 92 percent of 1947.

Export Controls 2-Year Extension Urged by USDA

A two-year extension of export controls to protect the domestic economy and aid in fulfilling international obligations was urged last week by officials of the Department of Agriculture testifying before a joint house and senate economic committee holding hearings on the European relief program and President Truman's anti-inflation program. Present export controls expire February 29, 1948.

F. M. Rhodes of the Production and Marketing Administration mentioned specifically the need for controlling exports of fertilizer materials, pigments, paints and varnishes, soap and allied products and basic industrial chemicals. Secretary Clinton Anderson told the committee that there was more fertilizer produced this year than ever before but demand is also greater than ever. He said there was four percent more nitrogen, five percent more potash and six percent more phosphates. Measured by farmer needs, however, he said, nitrogen is in particularly short supply, potash is tight and phosphates are more nearly adequate.

Price Trend Moves Higher

Wholly influenced by continued upping of prices on fatty oils and their derivatives, the price trend of the markets for chemicals, oils, and drugs went up another 0.3 point last week, keeping ahead of the 1946 mark by 0.7 point. In most other lines, the trend was downward, led by reductions in quicksilver and five major mercurials and in tartrates. The essential oils and aromatic chemicals group contributed a goodly reduction.

Animal and vegetable oils and fats and fatty acids were all raised to higher price levels—all except cottonseed oil which was checked by liquidation. Further tightening of feedstuffs brought higher prices on dried blood, tankage, and fishmeal. Milk powders and casein were upped in the wide strengthening of farm products.

A few natural resins were quoted higher, but most botanical materials were cheaper. Vanilla beans were prominent in the 2-to-1 downward predominance in flavorings and condiments. Supply changes influenced advances in tapioca flour and carnauba wax.

The outlook for 1948 in most lines shows very little indication of change. It is probable that 1947 quotas will be carried on in many major items. Prices are going to go up at the yearend in several groups of heavy chemicals, agricultural and industrial. Price reductions are expected in some organic insecticides and the like.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Nov. 28, 1947	Nov. 21, 1947	Nov. 28, 1946
151.0	150.7	150.3

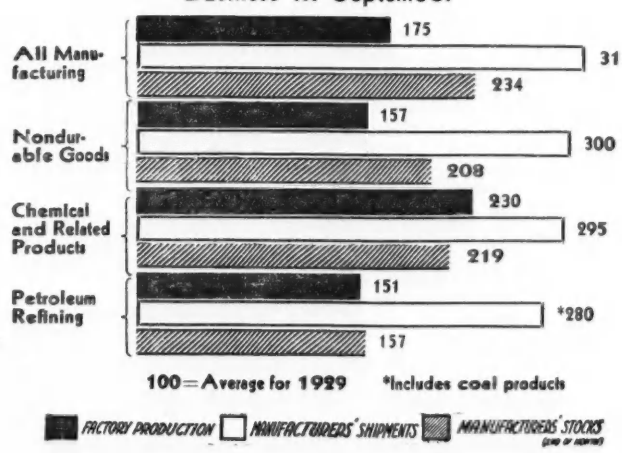
The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1947	1946	1945	1941
January	150.9	135.3	133.0	107.8
February	151.9	137.4	132.2	110.3
March	151.9	137.2	132.7	111.9
April	152.3	137.9	132.2	115.5
May	152.9	135.1	132.5	118.2
June	152.9	135.4	132.5	121.9
July	152.5	137.7	133.5	127.5
August	150.4	136.6	133.9	128.2
September	151.9	137.0	134.0	130.4
October	151.1	136.1	133.5	133.2
November	149.7	140.2	134.0	135.1
Year's average	*147.3	138.8	133.8	123.2

* Eleven months.

Business in September



Fats and Oils World Supply Prospects For 1948 Reported

OPD Washington Bureau

The world is facing a graver problem in 1948 of obtaining its needs of fats and oils than at any time in the postwar period, the International Emergency Food Council's committee on fats and oils reported last week. Apart from an anticipated substantial improvement in supplies (copra and palm oil) from the Netherlands Indies and surrounding areas, there seem to be no other major increases in sight while, on the other hand, the general agricultural situation in North America now points to a considerable decline in fat production commencing some time in 1948 and lasting well into 1949 if not beyond, the report stated.

The expected decline in North America is attributed to the government's grain saving program. The committee said that it should not be forgotten that, to the extent that grain is diverted in 1947-48 from livestock production to meeting world requirements of breadgrain, so will United States production and export supplies of lard, tallow, and so forth, further decline below the levels presently indicated by the poor corn and general feed supply situation.

The extent to which Philippine exports of copra and coconut oil in 1948 will exceed or fall below 1947 shipment levels will depend largely on the course of prices and of developments in the general Philippine economy, it was stated. Prices at current levels are probably high enough to cover the extra transport costs in the more inaccessible supply sources in the Islands. Labor and production costs generally are three to five times above prewar levels, and it cannot be assumed that these may not undergo a downward movement, though equally, the possibility of further increases cannot be ruled out under present conditions of world economic unsettlement. There will also be increasing competition for labor, etc., from the sugar, Manila hemp, and other industries now recovering from wartime adversity.

European Decrease Seen

In practically every European country there is likely to be a decrease in indigenous production of butter and animal fats as a result of the general cereal and feed shortages from the 1947 harvests. There may be some increased in 1948 indigenous oilseed production as compared with the disappointments of 1947, and it is reasonable to expect better olive oil production in the Mediterranean following the poor results of last season. For Europe as a whole, however, indigenous supplies will probably show a net decrease next year as compared with currently low production levels. The report continued:—

"It is this prospect, coupled with the decline in North American production, which is the most ominous indication of even greater stress and strain than has been experienced during the current year. While the general economic crisis of many European and sterling area countries suggests that effective requirements for imported fats will be limited on foreign exchange grounds, the need for essential minimum supply of edible and industrial fats is so imperative that it appears to be unwise to assume that the import requirements of fats and oils, for which funds will be found, will in most cases be much less than the relatively small tonnages actually received in 1947.

German Needs Heavier

"Furthermore, whereas the entitlement currently approved for bizonal Germany is only 50,000 tons for 1947 as compared with imports of almost 1,000,000 tons prior to the war, it is known that much heavier requirements are being considered by the occupation authorities as part of the general rehabilitation program. There are increasing indications that the increase in the quantities of imported fats required by the occupation authorities during 1948 may equal or even exceed the anticipated decrease in effective requirements caused by foreign ex-

—*Continued on page 78*

Fertilizer 'Dictatorship' By U.S. Asked in House

OPD Washington Bureau

A new fertilizer bill which would place the operation of the fertilizer industry, from production to distribution, under virtual dictatorship of the Federal government was introduced in the house last week by Representative John Jennings, jr., of Tennessee. The bill (H. R. 4562) was referred to the house committee on agriculture. Entitled a bill "to provide for the appropriation of $100,000,000 for the increased production, proper allocation, and better distribution of fertilizing materials, and for other purposes," the measure places absolute authority in the hands of the Secretary of Agriculture to meet this objective.

It authorizes and directs the secretary "to provide for the use of maximum facilities of all plants available for production of phosphate, potash and nitrate fertilizers." He is authorized to use the plants and other facilities owned or controlled by the United States for the production of such fertilizing materials and for the distribution thereof. He is also authorized and directed to acquire by lease other necessary plants and facilities and to contract with persons for the purpose of the manufacture and distribution of such fertilizing materials.

Authority is given to the secretary to allocate the raw materials necessary for the manufacture of fertilizers to processors and plants and to provide for the distribution of the fertilizers to dealers and directly to farmers in order to insure the application of such materials for the purpose of increased production of food and feed crops.

The secretary would determine the crops for which increased production is needed and the fertilizing materials would be distributed to the farmers as grants-of-aid. Distribution of fertilizers to farmers for this purpose would be through state and county committees as now established.

The $100,000,000 appropriation to finance the program would be apportioned as follows:—Not more than $500,000 for administrative expenses in Washington and the remainder to be apportioned among the states as determined by the secretary with a limitation of $7,000,000 of the funds for use in meeting state and local administrative expenses. The remaining $92,500,000 would be available for payments or grants to farmers.

Fertilizer Buying Schedule For Aid Program Reported

OPD Washington Bureau

Only little more than a third of the funds being appropriated by Congress in the interim aid bill for France, Italy and Austria for the purchase of fertilizer materials will be spent in the United States, it was disclosed during debate on the measure in the senate last week.

Senator Arthur Vandenberg of Michigan, chairman of the foreign relations committee and co-sponsor of the three-nation relief measure, told the senate that $17,000,000 of the $27,000,000 provided for in the bill for fertilizer purchases will be spent abroad by the State Department on purchases in behalf of the countries.

The program provides for expenditure of $1,000,000 on fertilizers for Austria, $9,000,000 for France, and $17,000,000 for Italy. Mr. Vandenberg said that the entire $1,000,000 for Austria will be used in foreign purchases, while in the case of France, $6,000,000 will be spent abroad, and for Italy $10,000,000 will be for foreign purchases. The remaining $10,000,000 being made available to France and Italy will be used, presumably, to take up their IEFC allocations of nitrogen from this country which they have been unable to do because of the shortage of dollars.

Grain Alcohol Plant Offered by WAA

OPD Washington Bureau

A war-surplus grain alcohol plant in Omaha, Nebr., presently operated by the Farm Crops Processing Corporation, is being offered for sale or lease by War Assets Administration. Built to produce grain alcohol and recover by-products, the annual capacities of the plant are:—Alcohol, 17,500,000 gallons; feed recovery, 65,000 tons; mold bran, 25,000,000 pounds; corn oil, 4,900,000 pounds, and fusel oil, 175,000 gallons.

Although the plant is being offered in its entirety for operation at the present site, land and buildings may be purchased or leased without equipment, or equipment may be purchased separately for off-site use. Bids will be accepted up to December 17 by the WAA regional office in Kansas City, Mo.

German Chemical Plants Available for Reparation

OPD Washington Bureau

A list of eighteen chemical plants in the United States zone of Germany which are available for reparation under the new level of industry plan for Germany was made public last week by the War Department. Distribution of the plants among the United Nations is left to decision of the Allied Control Council.

Seven of the chemical plants are located in Bavaria, eight in Hesse and three in Wuerttemberg-Baden. In some cases only parts of the plants are available for reparations; in others, the entire plants. The list of plants, giving, in order, the name, location, amount of facilities available, and products produced, is as follows:—

In Bavaria are Anorgana, Gendorf, three part plants, chlorine, caustic soda, acetaldehyde and glycol; Dr. Alexander Wacker, Cersthofen, part plant, wax; Kopp & Co., Munich, entire plant, soap products; Chem. Werke v. Transche & Co., Gersthofen, entire plant, hydrazine hydrate; Vereingte Flusspatwerke, Stullin, five part plants, hydrofleuric acid, sodium fluoride, synthetic cryolite, potassium bifluoride, sodium fluoro silicate, and Electrochemische Werke, Munich, part plant, hydrogen peroxide.

In Hesse are Kalle & Co., AG., Wiesbaden, part plant, methyl, ethyl, cellulose type products; Chem. Werke Kurt Albert, Wiesbaden, two part plants, phenoplasts, artificial copals; M. Kappus, Offenbach, entire plant, soap products. I. G. Farben Hoechst, Hoechst, seven part plants, uresin, polyvinyl acetate, carboresin, sulphur black, solvents, chlorinated solvents, dinitrobenzene; P. S. Mobs, Giessen/Lahn, two plants, soap products; Roehm & Haas, Darmstadt, part plant, soap powder; I. G. Farben Sauerstoffwerke Griesheim, Griesheim, entire plant, industrial gases, and I. G. Farben Sauerstoffwerke, Kassel Mittelfeld, entire plant, industrial gases.

In Wuerttemberg-Baden are Deutsche Pyrotechnische Fabrik, Cleeborn, entire plant, pyrotechnics; Kramer & Flemmer, Heilbronn, entire plant, soap products, and Saline Ludwigshall, Bad Wimpfen, three plants, sodium fluoride, aluminum fluoride, synthetic cryolite.

World Pharmacopoeia Committee Issues Report

The expert committee on the unification of pharmacopoeias of the World Health Organization has reported that it has placed 244 drugs on its category "A" list of drugs deemed of primary importance for immediate attention and inclusion in an international pharmacopoeia.

Meeting in Geneva, the committee considered 534 drugs and classified eighty-nine of them in category "B" as drugs which, though valuable, were not considered of sufficient importance to justify immediate attention, and the remaining 201 in category "C" as drugs not thought worthy of further attention. Of the drugs in category "A," it was reported that seventy-two monographs have been approved by the committee.

Edco Moves Facilities To Increase Production

The Edco Corporation, manufacturer of industrial and greenhouse aerosol bombs, has consolidated its operational, research and customer service facilities in a move to new and larger quarters on Childs Road, Elkton, Md. The former Edco plant was at Newark, Del. The new plant will enable the firm to increase production and to speed up deliveries at least 75 percent. New equipment, research facilities and personnel have been added to the new plant to handle the increased production schedule.

Colledge Leaves Glidden

E. W. Colledge has retired as manager of the naval stores division of the Glidden Company, Chicago. He has been succeeded by Dr. W. David Stallcup. Mr. Colledge remains president of E. W. Colledge G. S. A., Inc., and is continuing to make his headquarters at the Jacksonville, Fla., plant of the Glidden Company. At the same time E. W. Colledge G. S. A., Inc., is continuing to act as sales agent for Glidden's naval stores division.

Babbitt Elects Geismar

B. T. Babbitt, Inc., cleansing materials manufacturer, New York, has elected Leo W. Geismar, treasurer, to succeed the late John E. Sammond. Mr. Geismar, who has been with the organization for thirty-years, was formerly assistant treasurer and is also sales manager of Champion Chemical Works, a subsidiary of Babbitt.

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Hydroabietyl Alcohol Developed Commercially

Commercial development of hydroabietyl alcohol has been announced by the Hercules Powder Company, Wilmington, Del. This is said to be the first primary alcohol commercially developed from rosin, which is one of the lowest cost organic acids available.

Hercules claims hydroabietyl alcohol can be esterified by both organic and inorganic acids and is subject to etherification. A viscous liquid at room temperatures, it is colorless, tacky, and immiscible with water. It is miscible with alcohols, ketones, esters, ethers, and both chlorinated and unchlorinated hydrocarbon solvents. In addition, it is compatible with resins and film forming materials used in protective coatings, adhesives and related products, according to information released by the company.

It is further claimed that the unmodified alcohol can be used as a modifier for compositions based on chlorinated rubber, polyamides, hydrogenated oils, textile sizes, rubber compounds, and may be used in essential oil vehicles.

FTC Appoints Edwards Economics Bureau Head

OPD Washington Bureau

Dr. Corwin D. Edwards, professor of economics at Northwestern University, last week was appointed chief economist and director of the bureau of industrial economics of the Federal Trade Commission. He will assume his duties early this month, filling the post formerly held by Col. William H. England, who retired September 30.

Dr. Edwards was on the staff of the commission as an economic advisor from January, 1937, to March 1939. Previously he was with the National Recovery Administration. He has been part time consultant on cartels to the State Department since 1943.

Calco Starts Operating First Unit at Willow Island

The first production unit of the new Willow Island, W. Va., plant of the Calco Chemical Division, American Cyanamid Company, has been completed and put into operation. A second large unit is scheduled for operation in January. All construction work and installation of equipment scheduled for the current plant construction program is expected to be completed by early Spring, 1948. The management of the plant is conducted by D. H. W. Felch, plant manager; J. W. Dykes, production manager, and Mr. R. C. Lantz, personnel manager.

Bramston-Cook Heads Oronite Eastern Operations

Oronite Chemical Company, San Francisco, a subsidiary of Standard of California, has appointed H. E. Bramston-Cook to the newly-created position of general manager of Eastern operations. Mr. Bramston-Cook has been general sales manager of the company for the past year.

In his new capacity, he will supervise both sales and product development work for the company East of the Rocky Mountains and foreign operations. He will make his headquarters at the company's offices in New York.

Goodrich to Up Output Of Polyethylene Polysulphide

B. F. Goodrich Chemical Company, Cleveland, Ohio, has announced plans for the construction of a new unit for the production of polyethylene polysulphide. The new unit, to be installed in the company's plant in Akron, is expected to provide improved polyethylene polysulphide by eliminating as much as one half of the water included in the original dispersion.

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Storage Battery 'Cartel' Dissolved by High Court

The United States District Court in New York has ordered the Electric Storage Battery Company, Philadelphia, and its subsidiary, the Willard Storage Battery Company, Cleveland, to make available to competitors on a reasonable royalty basis, patents exchanged with three foreign companies with which the American firms were judged to have been participating in an international cartel in storage batteries.

The complaint, filed in 1945 by the Department of Justice, declared that the cartel had made direct agreements and working understandings on prices, poolings of profits, exchange of patents and inventions, and adoption of uniform trademarks. It named as partners in the cartel, but not as defendants, the Chloride Electrical Storage Company, Ltd., London, the Exide Batteries of Canada, Ltd., Toronto, and Accunulatoren-Fabrik Aktiengesellschaft, Germany.

One effect of the international arrangements, according to the complaint, was to prevent the sale in this country of the cadmium type of storage battery. This type of battery, developed in Europe, is said to last for ten years, as compared to the average three-year life of the lead type battery manufactured in the United States.

The Justice Department also charged that the cartel had arbitrarily fixed prices so that the lead type batteries sold at approximately three times the price of the cadmium type, which is more expensive to manufacture.

In addition to requiring that patents be made available, the judgment of the court required that a large block of stock in the London company now held by the Electric Storage Battery Company be transferred to a trustee.

Magnesium Price Set At 20½ Cents by Dow

Dow Chemical Company, Midland, Mich., announced today that future orders for virgin magnesium ingot will be priced at 20½ cents per pound, f.o.b. Freeport, Tex. The company said that magnesium alloys and structural products will not be affected by the price change.

Sun Oil Co. Assigns Crawford to New Post

Promotion of Robert J. Crawford from assistant manager to manager of the refinery accounting department of Sun Oil Company has been announced by Donald P. Jones, comptroller. Mr. Crawford succeeds W. Henry Linton whose appointment as assistant to the vice-president in charge of manufacturing was recently announced.

Market Reports

Aloin quotations at last reflected the several price declines in basic raw materials. Producers reduced the market to $3.75 per pound, being the first change in a number of months.

Boric acid crystals of commercial and USP quality are scheduled for an advance of $20 per ton on January 1. No change is expected in prices of other forms of boric acid. The new quotation on crystal boric acid commercial will become $124 per ton in carlot quantities. Smaller lots equally higher. The USP will become $149 per ton in carlots. Boric acid in crystal form was said by one maker to have a definitely limited sale.

Crude oil prices were advanced 50 cents per barrel by one large producer who finds it necessary to supplement his production with outside purchases. The increase became effective last Friday. The advance was said to be necessary in order to obtain a sufficient amount of crude oil in the competitive market without resorting to the practice of paying premiums.

Menthol prices retained a steady position late last week despite the fact that 65 tons of natural material arrived from Santos, Brazil. The local market was minimum at $ per pound.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with the OPD office:—

Chemicals importers and dealers, Mozambique; Hong Kong; Netherlands Indies.

Glass and glassware manufacturers, Ireland.

Hospitals, Netherlands West Indies.

Medicinal and toilet preparations importers and dealers, Czechoslovakia; Hong Kong; Colon; Netherlands Indies.

Paint and varnish importers and dealers, Canada.

Petroleum industry, Nicaragua; Turkey.

Rubber goods manufacturers, Spain.

Textile industry, Nicaragua.

Tanners' Council Meets In Chicago December 4-5

The annual meeting of the Tanners' Council of America will be held at the Palmer House, Chicago, on December 4-5. Announced program for the meeting will include:

December 4

At the morning session the opening address will be delivered by Harold Connett, president of the organization. Following will be a discussion of the raw materials situation, with E. L. Drew presiding and papers entitled "Domestic Outlook," by J. Roger Wallace, director of economic research, Commodity Research Bureau, and "Supply Conditions Ahead," by Julius G. Schnitzer, chief, textile and leather division, Department of Commerce. There will also be addresses entitled "The Shoe Manufacturer Views Conditions," by Lawrence Sheppard, president of the National Shoe Manufacturers Association, and "Business, Fact and Fable," by Harvey E. Runner, business news editor of the New York Herald Tribune.

At the luncheon meeting the principal speaker will be H. B. McCoy, director, office of domestic commerce, Department of Commerce, who will discuss "Our Domestic Economy and Economic Aid to Foreign Countries." The afternoon will be taken up by meetings of various groups and the board of directors, and the showing of a motion picture, "The Story of Leather."

December 5

There will be a report of the laboratory committee and papers on: "Hide and Skin Quality," by Lewis B. Jackson, director of the Tanners Hide Bureau; "Basic Aspects of the Taft-Hartley Act," by Gerard D. Reilly, special counsel, Senate Committee on Labor; "Research and Development in the Tanning Industry," by Clifford Roberts, vice-president and director of research, United Shoe Machinery Corporation; "Leather Research for Peace and War," by Dr. J. S. Kennedy, military planning division, Office of the Quartermaster General, and "The Year Ahead," by Irving R. Glass, executive vice-president of the organization.

National Gypsum Company Shifts Official Family

National Gypsum Company, Buffalo, has appointed Lewis R. Sanderson vice-president in charge of operations, Dean D. Crandell vice-president in charge of sales and advertising, and Charles E. Masters vice-president in charge of accounts. In addition, a department of administrative planning has been created, with William T. Davidson at its head.

The company also announced that Gordon H. Tarbell, director and one of the founders of the organization, is of retirement age and will continue in an advisory capacity. Mr. Sanderson has been serving as superintendent of construction for the company, Mr. Crandell has been vice-president in charge of research, and Mr. Masters was formerly comptroller.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumer goods recently compiled by the Commercial Intelligence Division of the United States Department of Commerce include the following, which are available from the division at $1 for a list for anyone country.

Caustic soda, Salvador, Brazil (AU-2); Pelotas, Brazil (AU-3).

Chemicals, Recife, Brazil (AU-5); Brussels, Belgium (AU-13).

Cosmetics, Brussels, Belgium (AU-9).

Detergents, household, Saint-Trond, Belgium (AU-8).

Dyes, Recife, Brazil (AU-5); leather, synthetic and vegetable, Brussels, Belgium (AU-10).

Fruit essences, Recife, Brazil (AU-5).

Gums, ground, dammar, mastic, copal, Augsburg, Germany (AU-7).

Industrial chemicals, Salvador, Brazil (AU-2).

Lard, Salvador, Brazil (AU-4).

Lubricants, Natal, Brazil (AU-6).

Machinery for solvent-extraction, edible oil refining, soap making, Johannesburg, Union of South Africa (AU-15).

Oil, Recife, Brazil (AU-5); Natal, Brazil (AU-6); Brussels, Belgium (AU-12).

Paint, Recife, Brazil (AU-5).

Papaverine, Brussels, Belgium (AU-13).

Pharmaceutical products, Recife, Brazil (AU-5); Brussels, Belgium (AU-11); (AU-13).

Plant, machinery, technical assistance, training, for manufacture of caustic soda, Kathiavare, India (AU-14).

Potash, Salvador, Brazil (AU-2).

Potassium nitrate, Brazil (AU-1).

Soda ash, Pelotas, Brazil (AU-3).

Spices, Saint-Trond, Belgium (AU-8).

Toilet goods, Saint-Trond, Belgium (AU-8); Brussels, Belgium (AU-9).

Turpentine, Recife, Brazil (AU-5).

Veterinary products, Brussels, Belgium (AU-13).

P.A.'s-Eye View of Business

Composite view, November 30, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents

The opinion of purchasing executives shows the general trend of business in November is up, with 46 per cent, the highest number so far this year, reporting this condition, compared with the low point of the year, June, when only 6 per cent reported increases. The indications are, however, for a flattening out at the high production and sales levels attained in the past three months.

Some members report a greater rate of production would be justified by present demand if labor and scarce materials (principally steel) could be obtained. A feeling of uncertainty is developing over the effects of threatened wage demands on prices already too high, and the undetermined action of Congress on aid to Europe. There is much concern about which and how much more materials important to domestic production will be diverted to Europe. Watchful waiting, while exercising extreme caution, is the general policy.

Commodity Prices

The overall price trend appears to level off, as about the same number report moderate increases as show no change during the month. Increasing competition is in evidence in fabricated items particularly. Buying is becoming more selective.

A real bright spot is found in the reports on labor productivity: 58 per cent note an increase, while 4 per cent note a decrease. The comments run all the way from "slightly better" to "maximum efficiency." It is clear that the smaller production units report the greatest improvement. One member, having a large central plant and several small outlying units, states that the small plants record a much higher productivity increase than the large plant.

Inventories

Industrial inventories continued to increase but it is a "creep," not a "runaway" —23 percent report increases; 20 percent, reductions. Many report that supplies are at uncomfortably low levels for the volume of production being obtained, compelling increased expediting efforts.

The general policy is to hold inventories as low as possible and maintain smooth plant operations. Inventories of scarce materials being allocated by the producers cannot be increased; some of them have decreased to the point of embarrassment. Purchasing agents believe it is poor policy to stock the easier-to-get items in excess of the "bottleneck" materials and thus recreate the inventory unbalance which existed a year ago.

Buying Policy

No change is noted in future coverage. The general rule is hand-to-mouth to ninety days. Slightly more are now in the ninety-day category because of the lengthening of some delivery schedules caused by recent increased demands. A longer-range view might be taken if the uncertainties of the impending controls could be cleared up. Need for continued caution is frequently expressed in the reports.

Specific Commodity Changes

A long list of items is reported on the "up" side this month—none of the advances bulks very large in the price picture as a whole—heavy acids, acetylene, asbestos, belting, cement, cotton goods, fireclay, files, fuel oil, gasoline, glycerin, leather, menthol, manila rope, naval stores, vegetable oils, oxygen, paper and paper products, pencils, soil pipe, plywood, pneumatic tools, refractories, rivets, rubber, silver, soap, stationery supplies, silica, tallow, tires, tools, typewriters, valves, wood pulp.

Continuing hard to get are acetate, aluminum, folding cartons, castings, caustic soda and soda ash, drums, lead, multiwall bags, steel, textiles.

Price declines are reported for no important commodity.

Easier to get are boxboard, brass products, steel cans, corrugated cartons, electrical supplies, small motors, shipping cases, copper wire.

Employment

The trend to increase employment reached its peak in October, and continues on that high base for November. Shortages of all kinds of labor exist in all areas reporting. Increase in overtime to handle rush holiday goods is mentioned. Attitude of labor is better; strikes have decreased and better productivity is being obtained.

Canada

General business continues at about the peak. Prices are advancing all along the line. Inventories remain the same, with some trend to increase where more materials are available.

The restriction of imports from the United States not yet felt. Employment at all-time high. Buying policy compares with that of the United States—generally one to three months.

Washington Talks It Over

The OPD Observer

The petroleum shortage that is threatening the East Coast, and particularly New England, will be partially relieved by the reactivation of ninety-six of the T-2 type tankers now in the laid-up fleet, according to reports here last week.

Senator Henry Cabot Lodge of Massachusetts declared that the Maritime Commission had informed him that fifty of the tankers are to be converted or repaired for operation by the Navy to meet its own heavy needs, thus releasing for industry use approximately the same number of commission-operated tankers now employed in meeting Navy requirements.

The balance of forty-six vessels are scheduled for sale to foreign nationals, which would have the effect of releasing an equivalent number of American tankers which are now either wholly or partially used in meeting foreign needs.

Earlier in the week, two committees of the National Petroleum Council had urged in reports that idle government-owned tankers be reconditioned and put into service. The shortage of tankers now in use, they said, has been reflected by a 10,000,000 barrel reduction in oil stocks on the Atlantic seaboard below what they were this time last year.

Administrative Procedure Law

Like most legislation passed by Congress, the administrative procedure law enacted last year to streamline the machinery of government, has both its good and its bad points. Government agencies can no longer impose regulations on industry without first giving those affected an opportunity to be heard. That was a welcome step forward, but at the same time even it has its bad features.

Government actions have now become so formalized that industry is finding it extremely difficult to keep up with changes in policies or new interpretations of law. All government rulings or opinions now must go through certain channels, must be signed by certain officials, and must be published in the *Federal Register*. Consequently, many of the little things important to business and government never get done.

The agency that probably has been hit the hardest by the requirements of the law is the Food and Drug Administration. For years prior to the enactment, FDA issued excerpts from its correspondence with the trade that gave industry up-to-the-minute advice and information on minor requirements of the food and drug law. These were particularly useful in keeping industry abreast of label requirements. Now, any such advice or opinions have to take the form of official announcements and be pub-

—Continued on page 36

Du Pont Dissolves Metal Div. as Gartner Retires

Ernest L. Gartner, manager of the metal and ore division of E. I. du Pont de Nemours & Co., Grasselli Chemicals Department, will retire today, after forty-three years with the company. Following his retirement, the metal and ore division will be dissolved. Its functions will be handled by the regular production and sales organization of Grasselli.

Mr. Gartner entered the employ of the Grasselli Chemical Company, Cleveland, in 1904, and eventually became division manager in charge of zinc sales in the Cleveland division. Du Pont Company purchased Grasselli in 1928, and it was operated as a subsidiary until 1936 when it became a department of Du Pont.

In 1937 Mr. Gartner moved to the new Grasselli headquarters at Wilmington as assistant to the sales manager, in charge of metals, ore and plating. In 1941 he was promoted to assistant sales manager for metals and ore, and in 1944 to manager of the metal and ore division.

ADMA Medical Section Hears Stormont and Cain

OPD Washington Bureau

Robert T. Stormont, chief of the Medical Division of the Food and Drug Administration, and Russell Cain, director of the Therapeutic Research Foundation, were principal speakers at the meeting of the medical section of the American Drug Manufacturers Association on November 22 at the Statler hotel, Washington, D. C.

Mr. Stormont addressed the group on policies of his division with respect to new drug applications and said that there has been no change of importance since he took office, other than possibly a tightening up of surveillance.

The division is paying particular attention, he said, to applications of new drugs where the fatal dose may be too close to the therapeutic dose. Because of several deaths resulting from overdoses of drugs, he stated, it is not the policy of the division to allow a new drug application to become effective when the drug is only equally effective therapeutically as another drug already on the market but is significantly more toxic than the latter.

This is the rule even though the new drug may be considerably less costly than that for which it would be a substitute, he said. The element of cost does not enter into the consideration, he explained, but rather the toxicity of the new drug in relation to its therapeutic value.

Mr. Cain spoke on the work of the foundation and described the reasons for and how it was first established and the considerations that are involved in deciding upon new research projects. He emphasized that the foundation is of primary use for the small drug manufacturers, although it is of value also to large concerns in cases where they are engaged in a major research program and do not wish to undertake the entire research work themselves. The afternoon session was devoted largely to a round-table discussion of the principal effects of public research programs on industrial medical research.

NYQ Elects F.J. Reid Executive Vice-President

Francis J. Reid was elected executive vice-president of the New York Quinine & Chemical Works, Inc., at a recent meeting of the board of directors, according to S. B. Penick, jr., president of S. B. Penick & Co. Announcement of the purchase of this prominent manufacturing firm by the Penick company was made recently. Established in 1885, NYQ has an unbroken record in the manufacture and distribution of a broad line of medicinal chemicals for more than sixty years.

Mr. Reid joined the sales division of NYQ in 1937. He was appointed sales manager in 1942 and has occupied that position since that date. A graduate of St. John's Unical Club and the Chemists Club.

Goodrich Appoints Scull Manufacturing Services Head

The B. F. Goodrich Company, Akron, Ohio, has named William W. Scull general manager of manufacturing services. In this capacity he will supervise the activities of the engineering and factory service divisions, machine and process development department, works technical laboratory, and the traffic and inter-plant operations departments.

Mr. Scull, who has been with the Goodrich organization since 1929, was production manager of plants of the B. F. Goodrich Chemical Company, Cleveland, for the past two years. During the war he was active in aiding the government's rubber program and was at one time manager of the government plant operated by the company.

Eagle-Picher Moves White Lead Division

The Eagle-Picher Company, Cincinnati, has moved its entire white lead division to a new plant in East Chicago, Ind. Sales and administrative personnel, as well as complete warehouse facilities, laboratories, maintenance shops and linseed oil and turpentine storage tanks, are located at the new plant.

Plans call for the production of white lead in oil, in paste and ready-to-use paint at the facility, and resources are also present for the manufacture of lead and zinc products for the paint, rubber, storage battery, ceramic and chemical trades. The district sales of the white lead division will be located at the new plant, but the pigment and insulation divisions sales office will remain at One North La Salle street, Chicago.

P is for penguin and penicillin

A recent news story told how penicillin cured a serious foot infection for a penguin. Penguins do not constitute an important market for Penicillin-CSC. But veterinary medicine as a whole does.

It is now economical to use penicillin in animal treatment because of reduced cost through mass production. For veterinary use, CSC has introduced a new oil suspension of penicillin that requires no refrigeration. It is supplied ready for use in a container with a disposable syringe.

burning water in your car!

If the engine in your car has ever sputtered because it couldn't burn water in the gas tank, or if it has refused to start on a cold morning because moisture froze in the fuel line, you'll appreciate Dry-Ex. This new CSC product eliminates moisture by absorbing and blending it into the gasoline.

Dry-Ex joins the line of Nor'way and Peak Anti-Freeze and Nor'way Radiator Products which are sold through CSC's Specialties Division.

junior takes his "shot"

Now when the doctor prescribes penicillin, Junior can take it via his milk. For CSC has recently developed a new soluble form known as Soluble Tablets Crystalline Penicillin-CSC, which will find a widespread use in pediatrics.

Each of the new tablets contains 50,000 units of penicillin G, yet it is no bigger than this ⊖ The tablet can be placed under the tongue and absorbed directly by older patients unable to swallow a tablet. Solubility also simplifies the penicillin vapor inhalation.

Notes and News ABOUT CSC

A publication for CSC stockholders

putting a mummy to shame

To the Egyptians the hereafter was real as a pyramid. So that a lady might enter this other world with glamor, her body was protected with a resin coating.

For protection and beauty, today's coating materials put the mummy's to shame. One of the most versatile of these is lacquer.

A great advance in making lacquer more useful to industry is the hot-lacquer process developed by CSC research. This makes it possible to apply heavier coats and fewer of them.

Many manufacturers are using this CSC process because it cuts costs and steps up production.

the horse that went blind in the moonlight

The Romans called an eye disease of horses "moon blindness" because they believed it was caused by lunar changes.

Today we know that moon blindness is a vitamin deficiency. It occurs when equine diet lacks riboflavin. A pinch of riboflavin in each feedbag prevents this destructive disease.

CSC's riboflavin sold under the name B-Y-21, also contains appreciable quantities of other essential vitamins. It is used in poultry feeds for pets and fur-bearing animals.

bait for the gods

When the Indian planted his corn and tobacco, he buried a fish too, so the gods would favor him with a bumper crop. It was sound chemistry. As the fish decomposed it restored an essential element to the soil—nitrogen.

It would take all the fish in the sea to supply the nitrogen that agriculture uses today. So we manufacture ammonia—one of the most important chemical sources of nitrogen.

CSC's newest plant, the Dixie Chemical Division, is producing anhydrous ammonia twenty-four hours a day. Most of it is processed into fertilizer.

COMMERCIAL SOLVENTS CORPORATION • 17 EAST 42ND STREET, NEW YORK 17, N. Y. CSC

Industrial Application Of Chemicals

"Where You Can Sell"
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Acenaphthene

(*Additional uses supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials."*)

Chemical—Starting point in making carboxylic acid, acenaphthylene.

Insecticide and Fungicide—As an insecticide and fungicide.

Plastics—Raw material in making plastics.

Acetonylacetone

Adhesives—Solvent in adhesive compositions containing cellulose acetate.

Ceramic—Solvent in coating compositions, containing cellulose acetate, used for protecting and decorating ceramic products.

Chemical—Solvent for cellulose acetate.
Starting point in making ring compounds, by condensation reactions, which are derivatives of furan, thiophene, and pyrrole.

Cosmetic—Solvent in nail enamels and lacquers containing cellulose acetate as base material.

Electrical—Solvent in insulating compositions, containing cellulose acetate, used for covering wire and in making electrical machinery and equipment.

Glass—Solvent in compositions, containing cellulose acetate, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Solvent in compositions, containing cellulose acetate, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.
Tanning agent for hides and skins.

Ink—Viscosity reducer for nitrocellulose and vinylite resin solutions in roll-coating inks.

Metal-Fabricating—Solvent in coating compositions, containing cellulose acetate, used for protecting and decorating metallic articles.

Miscellaneous—Solvent in coating compositions, containing cellulose acetate, used for protecting and decorating various kinds of articles.

Paint, Varnish, and Lacquer—Solvent in paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate.
Viscosity reducer for nitrocellulose and vinylite resin solutions.

Paper—Solvent in compositions, containing cellulose acetate, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic—Solvent in making films from cellulose acetate.

Plastics—Solvent in making laminated-fiber and molded articles, and plastics from cellulose acetate.

Resins—Solvent for resin-cellulose derivative compositions.

Rubber—Solvent in coating compositions, containing cellulose acetate, used for decorating and protecting rubber goods.

Stone—Solvent in coating compositions, containing cellulose acetate, used for decorating and protecting artificial and natural stone.

Textile—Solvent in compositions, containing cellulose acetate, used in the manufacture of coated fabrics.

Wood—Solvent in compositions, containing cellulose acetate, used as protective and decorative coatings on woodwork; plastic compositions, containing cellulose acetate, used for many filling and repairing purposes on wood.

Thialdin

(5:6-Dihydro-2:4:6-trimethyl-1:3:5-dithiazin)

Chemical—New organic compound which contains both sulphur and nitrogen in the ring; colorless, crystalline solid which exhibits reactions typical of secondary amines; has a powerful odor resembling that of ammonium sulphide; relatively insoluble in water, soluble in alcohol, ether, and hydrocarbons.
Suggested as intermediate in making insecticides, ore-flotation agents, pharmaceuticals, and rubber chemicals.

Dye—Suggested as intermediate in making dyestuffs.

Insecticide and Fungicide—Claimed to have insecticidal properties even when used in aqueous solutions in concentrations as low as 1 part by weight to about 7,000 parts of water.

Tidelands Oil Ownership Left Open by High Court

OPD Washington Bureau

A request that the judicial decree in the tidelands oil case be amended to show that the government is the "owner" of the lands in dispute was denied last week by the Supreme Court of the United States. In its decision earlier this year, and in the decree that followed, the court went only so far as to say that the Federal government has "paramount" interest in the lands.

The request for amendment came from Robert E. Lee Jordan, who claims rights to a tract of submerged land adjacent to the city of Long Beach, Calif. He argued that unless the change was made the decree is almost certain to lead to further litigation.

AMA Sponsors Producton Costs Reduction Conference

The American Management Association announces that more 1,000 operating executives representing all types of American manufacture will meet at the Pennsylvania hotel, New York, on December 15 and 16, at a national conference to discuss means of reducing direct and indirect production costs through better management of personnel, materials, and equipment. Alvin E. Dodd, AMA president, said the agenda for the conference is being prepared on the basis of a questionnaire survey of improved practices of more than 1,000 companies throughout the country.

Commercial Laboratories Council Meets Dec. 8-9

The American Council of Commercial Laboratories will meet in Washington, D. C., on December 8-9. Guest speaker at the dinner meeting to be held on December 8 will be Dr. Edward U. Condon, director of the Bureau of Standards.

Southern Paint Club Exhibit March 11-12

The Southern Paint and Varnish Production Club will hold its annual machinery and raw materials exhibit at the Biltmore hotel, Atlanta, Ga., on March 11-12, 1948, in conjunction with its annual meeting. Arrangements have been made to have each exhibit housed in an individual room on the mezzanine floor of the hotel.

Chemical Engineering Symposium to Be Held

Recent advances in heat control and their practical applications in the manufacture of synthetic gasoline, the generation of atomic energy, and other industrial processes will be discussed at the chemical engineering symposium of the American Chemical Society, which will be held in the chemistry building of the Illinois Institute of Technology, Chicago, on December 29 and 30.

Essential Oil Association Scientific Section to Meet

The scientific section of the Essential Oil Association will report at a special meeting to be held at the McAlpin hotel, New York, on December 9. The meeting will open with a luncheon session at 12:30 p.m.

Heads U.S.I. Laboratories

Dr. F. M. Hildebrandt has been appointed director of laboratories of U. S. Industrial Chemicals, Inc., and in this capacity will have general supervision of all the company's research activities in the Baltimore area. He has been associated with the organization since 1924.

CMRA December 10 Meeting Program Set

The Chemical Market Research Association will meet at the Biltmore hotel, New York, on December 10. The following papers will be presented at the meeting:—

"The Fischer-Tropsch Process," by Dr. Frederick W. Sullivan, jr., consulting chemist, Madison, N. J.; "Marketing Research Techniques in the Chemical Industry," by Warren C. Hyer, director of industrial marketing research, York Research Corporation, Stamford, Conn., and "Hydrocarbon Synthesis Process," by K. J. Nelson, development division, Standard Oil Company of New Jersey, Bayway, N. J.

At the dinner meeting to be held after the business session, guest speaker will be Edward R. Dewey, manager of the market research department, Air Reduction Company, who will discuss "Cycles—A New Tool for Business Forecasting."

ACS Plans Research Progress Conference

Five hundred chemists and chemical engineers from eight states will participate in the third southwest regional meeting of the American Chemical Society, which will be held at Houston, Tex., on December 12 and 13. Research progress in petroleum, cottonseed oil, drugs, vitamins, and many other fields of chemical science and technology will be reported in fifty technical papers to be presented by scientists from the laboratories of industry, education, and government at sessions in the Rice Hotel.

Internat'l Chemical Exhibit To Be Held in Belgium

An international exhibition of pure and applied chemistry will be held at Charleroi, Belgium, in 1948, concurrently with the International Congress on Chemistry, which will hold its sessions in the buildings of the Universite du Travail. Robert Leurquin, director of Produits Chimiques, Liege, Belgium, will be in charge of arrangements concerning foreign participation in the exhibit.

Chemical Consultants Hit Government Competition

The "controversial discussion" of industrial support of research in educational institutions by members of the Association of Consulting Chemists and Chemical Engineers, November 21, was in largest part, as one of the participants pointed out, criticism, mostly adverse, of the doing of research by governmental agencies. The general tenor of it was that government in business in any way is bad; government in research and other areas of technical or scientific service is worse. No such work, said C. O. Brown, can be expected to return to the taxpayer more than 8 percent of what it costs him. Most of the other disputants regarded that figure as too high.

An outline of research activities of universities and other untaxed organizations was given by Nicholas M. Molnar, president of the association. He admitted that such functioning had a measure of value for students and the general public, but contended that it should be limited so as not to interfere with private practice.

Better semantics and more definite demarcations were urged by Sam Tour with reference to consideration of various aspects of industrial research and their relation to consulting practice, also with reference to routine testing and analysis. It was his opinion that clear distinctions, perhaps on the basis of time, surely on that of service, and perhaps that of cost, be made between fundamental study and industrial work in the fields of research. The consultants' organization should be concerned only with consulting practice, and it should see that university and governmental competition was at least reduced to a minimum.

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APMA Announces Final Midyear Meeting Program

The American Pharmaceutical Manufacturers Association has announced the final program for its midyear meeting, to be held at the Waldorf-Astoria hotel, New York, on December 15-17. The program follows:—

Monday, December 15

Opening address by James L. Rogers, president of the association and of Central Pharmacal Company. Statements by H. R. Horner, president of Frank W. Horner, Ltd., Montreal, and of the Canadian Pharmaceutical Manufacturers Association, and Fred J. Stock, vice-president of Charles Pfizer & Co. and chairman of the Drug, Chemical and Allied Trades Section, New York Board of Trade.

Reports will be made for: research board, by Dr. E. H. Volwiler, Abbott Laboratories; contact committee, by Dr. Frank B. Fisk, Pitman-Moore Company; subcommittee on sanitary conditions, by Dr. D. M. Copley, Norwich Pharmacal Company; subcommittee on minimal laboratory standards, by Dr. George H. Schneller, Calco Chemical Division, American Cyanamid Company, and associate members committee, by R. A. Clark, J. T. Baker Chemical Company. The morning session will be closed with addresses by Dr. E. Fullerton Cook, chairman of the general committee of revision, United States Pharmacopoeia, entitled "USP Progress," and Dr. Justin L. Powers, chairman of the APhA committee on National Formulary, entitled "NF Progress."

The afternoon will be devoted to an industry session on social and economic developments, presided over by S. DeWitt Clough, Abbott Laboratories. Subjects to be discussed at the session include:— "The Expanding Economy," by Mr. Clough; "The Danger of Communistic Infiltration into the United States," by Arthur Conrad; "The World Medical Association and its Implications," by Dr. R. L. Sensenich, president-elect of the American Medical Association.

Also, "Medicine and Medical Education in South America," by Dr. Morris Fishbein, editor of the Journal of the American Medical Association, and "Fortune Reviews the U. S. Economy," by Dr. Richard G. Gettel, economist for Fortune Magazine.

Tuesday, December 16

December 16 will be devoted to a day-long program in honor of the presentation of the APMA scientific award to the American Medical Association, culminating in a dinner at which the actual award will be made. The morning session, presided over by Dr. George F. Lull, secretary of the AMA, will feature scientific papers on:—

"Medical Research—A Mirror of Progress," by Dr. Austin Smith, secretary, council on pharmacy and chemistry, AMA; "Immunologic Control of Disease," by Dr. Thomas Francis, jr., Henry Sewall University professor of epidemiology, University of Michigan; "Recent Progress in Nutrition and its Relation to Drug Therapy," by Dr. Conrad A. Elvehjem, professor of biochemistry, University of Wisconsin; "Progress in Drug Therapy of Pain," by Dr. Nathan B. Eddy, secretary, committee on drug addiction and narcotics, division of medical sciences, National Research Council, and "Chemotherapy of Cancer," by Dr. Charles Huggins, professor of surgery, University of Chicago.

The afternoon session will be presided over by Dr. Fishbein, and will feature talks

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Association Meeting Dates

American Pharmaceutical Manufacturers Association, midyear meeting, Waldorf-Astoria hotel, New York, December 15-17.

Animal Health Institute, St. Paul, Minn., April 19-20.

Association of American Soap and Glycerine Producers, Waldorf-Astoria hotel, New York, January 28-29.

Chemical Industries Exposition, Grand Central Palace, New York, December 1-6.

Chemical Market Research Association, Biltmore hotel, New York, December 10.

Greater New York Safety Council, Pennsylvania hotel, New York, April 13-15.

National Association of Insecticide & Disinfectant Manufacturers, Lord Baltimore hotel, Baltimore, December 1-3.

National Association of Chain Drug Stores, Palm Beach Biltmore hotel, Palm Beach, Fla., January 11-14.

National Association of Corrosion Engineers, Jefferson hotel, St. Louis, Mo., April 5-8.

National Petroleum Association, Cleveland hotel, Cleveland, Ohio, April 21-23.

National Association of Purchasing Agents Waldorf-Astoria hotel, New York, May 31-June 2.

National Confectioners Association, Waldorf-Astoria hotel, New York, June 20-25.

National Plastics Exhibition, Grand Central Palace, New York, September 27-October 1.

New York BIMS, annual dinner, January 22.

Northeastern States Weed Control Conference, Commodore hotel, New York, February 12-13.

Packaging Machinery Manufacturers Institute, New York, December 3.

Proprietary Association, scientific section, Biltmore hotel, New York, December 5.

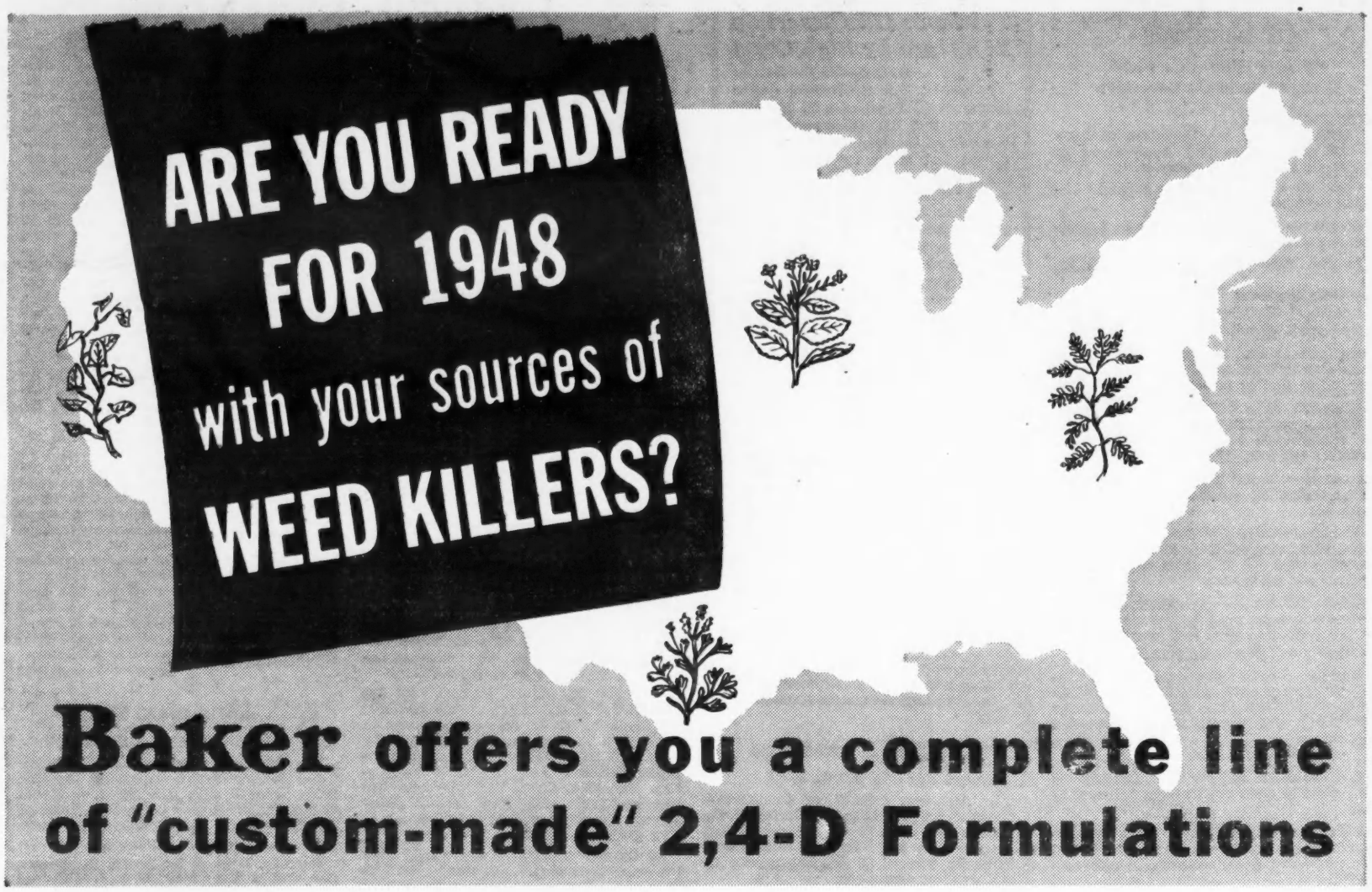
Society of Cosmetic Chemists, Biltmore hotel, New York, December 3.

Southern Paint and Varnish Production Club advisory committee, Biltmore hotel, Atlanta, Ga., December 6.

Synthetic Organic Chemical Manufacturers Association of the United States, Commodore hotel, New York, December 10.

Tanners Council of America, Palmer House, Chicago, December 4-5.

Toilet Goods Association, scientific section, midyear meeting, Waldorf-Astoria hotel, New York, December 4.



Baker offers you a complete line of "custom-made" 2,4-D Formulations

It's not too early to make plans for next year's weed killer sales. Be sure to line up a good and reliable source of 2,4-D now.

Baker offers you *a number* of 2,4-D Formulations—"custom-made" to meet almost any weed situation, and to make selective weed-killing more effective and efficient. There is *no one* weed killer applicable for all types of weeds under all conditions.

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Baker's ANALYZED REAGENTS FINE CHEMICALS

Baker's Agricultural Chemicals

Current Market Quotations

Chemicals and Related Materials

November 28, 1947

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11½- .12
5 and 10 gals., works.....lb. .12 - .16
tanks, works .....lb. .09½- .10½

Acetaldol (see Aldol).

Acetamide, CP, fib. dms.....lb. .65 - .75
tech., fib. dms.....lb. .38 - .43

Acetanilide, tech., bbls., c.l.....lb. .19 - .21
l.c.l. .....lb. .20 - .25
kgs. .....lb. .25 - —
USP, bbls., 2,000-lb. lots.....lb. .40 - .41
smaller lots .....lb. .41 - .42

Acetic anhydride, dms., c.l., frt. all. E. lb. .13½- —
l.c.l., frt. alld. E.....lb. .14½- —
tanks frt. alld. E.....lb. .12 - —

Acetoacetanilide, bbls., dms.....lb. .57 - .60

Acetone, CP, dms., c.l., dlvd.....lb. .09 - —
l.c.l., dlvd. .....lb. .10 - —
tanks, dlvd. .....lb. .07½- —
Methyl (see M).

Acetonitrile, dms, c.l. works.....lb. .45 - —
l.c.l., works .....lb. .50 - —
smaller containers, works.....lb. .55 - .60

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.05 - 1.10

Acetophenone, cns., dms... .....lb. 1.50 - 1.85

Acetyl chloride, cbys., works.....lb. .60 - —

Acetyltributyl citrate, dms. .....lb. .43 - .51
smaller pkgs. .....lb. .54 - —

Acetyltriethyl citrate, dms.....lb. .36 - .44
smaller pkgs. .....lb. .47 - —

Acid, abietic, dms., c.l., works.....lb. .07½- —
Acetic, conc'l or redist. 28%, bbls.,
100 lbs. 3.78 - 4.08
56%, bbls. .....100 lbs. 7.56 - 7.81
70%, bbls. .....100 lbs. 9.45 - 9.70
80%, bbls. .....100 lbs. 10.80 - 11.05
glacial, synthetic, C.P., dms., works
100 lbs. 13.50 - 11.00
tanks, works .....100 lbs. 7.62 - 8.62
tech., dms., c.l., works..100 lbs. 10.07 - 11.00
USP, dms., works.....100 lbs. 11.50 - 12.00

Acetic acid price ranges above are c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of
ship't, 100-lb. lots..lb. .50 - —
smaller lots.....lb. .51 - .64
standard, fine, cryst., gran. (30-40 mesh) powd. (80 mesh), bbls., same basis, lb. .45 - .50

Freight equalized, shipment identical quantity over standard routes, from N. Y., Phila., Maryland, Mich., Chicago and St. Louis.

Aminoacetic, NF, bbls., frt. adjusted, lb. 1.50 - 1.75

Anthranilic, resub., bbls.....lb. 2.00 - 2.30
tech., bbls.....lb. 1.00 - 1.35

Arsenous, tech. (see Arsenic, white), USP, powd., dms., kgs.....lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots ..
kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.100 lbs. 1.60 - 1.75
l.c.l., E. works.....100 lbs. 2.05 - 2.75

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up.....lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works....lb. 1.05 - 1.22

Boric, tech., 99.5%, cryst., powd., paper bgs., c.l., frt. split..ton.104.00 - —
ton lots, ex whse, N. Y. or Chi..ton.124.80 -125.00
less ton lots, same basis.ton.129.70 -130.00
bbls., c.l., frt. split.....ton.124.00 - —
ton lots, ex whse, N. Y. or Chi..ton.144.70 -145.00
less car lots, same basis.ton.149.70 -150.00
gran., bulk .....ton.95.50 - —
paper bgs., c.l., frt. split..ton.99.00 - —
ton lots, ex whse., N. Y. or Chi..ton.119.70 -120.00
less ton lots, same basis.ton.124.80 -125.00
bbls., c.l., frt. split.....ton.119.00 - —
ton lots, ex whse., N. Y. or Chi..ton.139.70 -140.00
less ton lots, same basis.ton.144.70 -145.00
USP $25 per ton higher.

Broener's, bbls. .....lb. 1.22 - 1.34

Butyric, 99%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .33 - —

Cacodylic, bots.....lb. 12.00 -16.50

Camphoric, natural, dms.....lb. 8.00 - 8.50
synth., dms.....lb. 6.00 - 6.50

Caprie, tech., ref., dmls., ...lb. .50 Nom.

Caprylic, 99%, dms.....lb. .50 Nom.

Castor oil, split, dms.....lb. .36½- .37½

Chlorosulphonic, dms., c.l., works.lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —

Chromic, 99½%-99¾%, dms., c.l...lb. .21½- —
l.c.l. .....lb. .22½- .22¾

Cinnamic, refd., bots.....lb. 3.00 - 4.00

Citric, anhyd., gran., fine gran., bbls. lb. .25½- —
dms., c.l. .....lb. .24 - —
10,000 lbs., 1 ship't.....lb. .24½- —
kgs. .....lb. .25½- —
Anhydrous citric acid powder, ½c. per lb. higher.
USP, cryst., bbls., c.l.....lb. .25 - —
10,000 lbs., 1 ship't.....lb. .25½- —
smaller lots.....lb. .26 - —
kgs. .....lb. .26½- —
gran., fine gran., bbls., c.l.....lb. .22 - —
10,000 lbs., 1 ship't.....lb. .22½- —
smaller lots.....lb. .23 - —
kgs. .....lb. .23½- —
USP citric acid powder ½c. per lb. higher.

Cleve's, bbls., mixed.....lb. .61 - .65

Cocoanut oil, dist., dms.....lb. .33½- .34½
Corn oil, s.d., dms.....lb. .25½- .26½
Cottonseed, dist., dms.....lb. .25½- .26½

Cresylic, d-an., coultar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald. gal. 1.26 - —
l.c.l., same basis.....gal. 1.29 - —
tanks, same basis.....gal. 1.20 - —

Petroleum, heavy grade, 220° to 240° C. dms., c.l., dlvd. E. Rockies..gal. .86 - —
l.c.l., same basis.....gal. 1.00 - —
tanks, same basis.....gal. .77½- —
Calif. ref'y.....gal. .62 - —
235°-290° C. dms., c.l., dlvd. E. Rockies..gal. .79 - —
l.c.l., same basis.....gal. 1.00 - —
tanks, same basis.....gal. .70½- —
Calif. ref'y.....gal. .57½- —

Crotonic, bbls., Canadian, works.lb. .35 - —

Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works..lb. .85 - .95

Diethylbarbituric (see Barbital)

F (see Acid, monosulphonic)

Formic, 85%, cbys., c.l., works....lb. .12 - —
l.c.l., works .....lb. .12½- .14½
90%, cbys., c.l., works.....lb. .12½- —
l.c.l., works .....lb. .13 - .14½

Fumaric, tech., bbls., dms.....lb .27 - .31

Gallic, NF V, bbls., 1,000-lb. lots..lb. 1.40 - —
smaller lots .....lb. 1.43 - 1.45
technical, bbls., 1,000-lb. lots....lb. 1.23 - —
smaller lots .....lb. 1.26 - 1.28

Gamma, bbls. .....lb. 1.03 - 1.07

Gluconic, tech., 50%, bots.....lb. .23 - .31
dms. .....lb. .14 - —
kgs. .....lb. .15 - —

Glycolic (see Acid, hydroxyacetic).

H, bbls., works.....lb. .50 - —

Hydriodic, 45-47%, cbys.....lb. 2.52 - 2.54
57%, cbys. .....lb. 2.83 - 2.85

Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., dlvd. E.....lb. .45 - —
34%, cbys., dlvd. E.....lb. .35 - .37

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works.....lb. .80 - 1.00
dilute, NF, 2%, 5-lb. bots.....lb. .30 - .40

Hydrofluoric, anhyd., cyls., works..lb. .19 - 19½
tanks, works .....lb. .16 - —
30%, rubber dms., works.....lb. .08 - .09
48%, rubber dms., works.....lb. .12 - —
52%, rubber dms., works.....lb. .12½- —
60%, rubber dms., works.....lb. .13½- —

Hydrofluosilicic, 33-35%, bbls.....lb. .08 - 09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila..lb. .08½ - —
tanks, Belle, W. Va., 100% basis. lb. .085 - —

Hypophosphorous, USP, djns.....lb. .75 - 77

J, bbls., works, 20% basis.....lb. 2.42 - —

L, bbls., works.....lb. .73 - —

Lactic, edible, 50%, bbls., 20 or more. lb. .14½- —
smaller lots .....lb. .15 - —
80%, bbls., 5 or less.....lb. .24½- 24¾
plastic grade, 50%, bbls., 20 or more. lb. .17¾- —
10 or less.....lb. .18½- —
80%, bbls., 5 or less.....lb. .31¾- .32½
tech., 22°%, bbls., c.l., works.100 lbs. 4.40 - —
l.c.l., works .....100 lbs. 4.80 - —
cbys., works .....100 lbs. 5.30 - —
44%, bbls., c.l., works.....100 lbs. 8.15 - —
l.c.l., bbls., works.....100 lbs. 8.55 - —
cbys., works .....100 lbs. 9.05 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .59

Laurent's, bbls. .....lb. .70 - —

Laurie, dist., 85-90%, dms.....lb. .36 - .38
60%, dms. .....lb. .30 Nom.

Linseed oil, light, dms.....lb. .39½- .40

Maleic, powd., dms.....lb. .26 - .30
Anhydride (see M).

Malic, powd., kgs.....lb. .47 - —

Mandelic, NF, dms., 1,000-lb. lots..lb. 2.35 - —
smaller lots .....lb. 2.40 - 2.60

Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric unit .....lb. .0085- .009

Molybdic, kgs., works.....lb. .95 - 1.10

Monochloroacetic, purified, flake, 90%, dms..lb. .21 - .22½
tech., flake, 96-97%, bbls.....lb. .17½- .19½

Monosulphonic, bbls. .....lb. 1.50 - —

Muriatic, 18°, cbys., c.l., E. works. 100 lbs. 1.50 - 1.70
l.c.l., E. works.....100 lbs. 1.90 - 2.90
tanks, E. works.....ton.18.00 -18.20
20°, cbys., c.l., E. works....100 lbs. 1.85 - 2.00
tanks, E. works.....ton.20.00 -21.00
22°, cbys., c.l., E. works....100 lbs. 2.35 - 2.50
tanks, E. works.....ton.22.00 -26.00

CP, USP, consumers, cbys., extra. lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra.....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —

Myristic, dist., dms.....lb. .45 Nom.

Naphthenic, 220-230 acidity, dms., extra, works..lb. .13 - —
tanks, works .....lb. .10 - —
230-240 acidity, dms., extra, works. lb. .20 - —
tanks, works .....lb. .17 - —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol(1)-5-sulphonic (see Acid L).

Naphthol(1)-5-sulphonic,8-amino (see Acid, 8).

Naphthol(1)-3,6,-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).

Naphthylamine(1)-5-sulphonic (see Acid, J).

(2)-6-sulphonic (see Acid, Broener's).

Neville and Winthers, dms.....lb. .73 - .76

Nicotinic, USP, dms., works....kilo. 6.00 - 6.30

Nicotinic amide (see Nicotinamide).

Nitric, 36°, cbys., c.l., E. works... 100 lbs. 5.00 - —
l.c.l., E. works.....100 lbs. 5.30 - 6.30

38°, cbys., c.l., E. works....100 lbs. 5.50 - —
l.c.l., E. works.....100 lbs. 6.00 - 6.25

Nitric, 40°, cbys., c.l., E. works. 100 lbs. 6.00 - 6.50
l.c.l., E. works.....100 lbs. 6.50 - 7.10

42°, cbys., c.l., E. works...100 lbs. 6.50 - 7.00
l.c.l., E. works.....100 lbs. 7.00 - 7.25

CP, USP, consumers, cbys., extra lb. .13 - —
7-lb. bots., cs., extra.....lb. .15 - —
dealers, cbys., extra.....lb. .11½- —
7-lb. bots., cs., extra.....lb. .13½- —

Oleic (see Oil, red).

Oleum (see Acid, sulphuric, fuming).

Oxalic, bbls., c.l., works.....lb. .13 - —
10,000 lbs., works.....lb. .13¼- —
smaller lots, works.....lb. .14 - —

Palm oil, white, dist., dms.....lb. 21¼- 21¾

Para-aminobenzoic, purified, dms., works..lb. 4.00 - —
technical, bbls., works.....lb. 1.70 - —

Paramethylphenyleinchonic (see Neocinchophen).

Paranitrobenzoic, cns. .....lb. .80 - —

Paratoluidinemetasulphonic, bbls., wks. lb. .85 - —

Peanut oil, s.d., dms.....lb. .23¾- .24¼

Phenylacetic, bots.....lb. 1.51 - 1.60

Phenylglycollic (see Cinchophen).

Phenylglycollic (see Acid, mandelic).

Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald.... 100 lbs. 4.50 - —
l.c.l., same basis.....100 lbs. 5.25 - 6.00
cbys., c.l., works, frt. equald.. 100 lbs. 5.00 - —
l.c.l., works, frt alld.100 lbs. 6.00 - 7.50

75%, bbls., c.l., works, frt. equald..100 lbs. 5.75 - —
cbys., c.l., works, frt. equald. 100 lbs. 6.10 - —
l.c.l., works, frt. alld..... 100 lbs. 8.00 - 9.00
tanks, works, frt equald..... ton 4.00 - —

USP XII, 85%, 100-lb. cbys., c.l..lb. .10½- —
l.c.l. .....lb. 11½- .13
70-lb. cbys. .....lb. .16½- —
l.c.l. .....lb. 11½- 13
dilut., 10%, cbys., djns.....lb. .07 - 07½

Picramic, bss.....lb. .65 - .70

Picric, bbls.....lb. .30 - .31

Prussic, nat., dms., works.....lb. .18 - —
tanks, works.....lb. .17 - —
synth., pure, dms., works.....lb. .22 - —
tanks, works.....lb. .21 - —

Pyrogallic, tech., bbls.....lb. No prices
N.F., cryst., dms.....lb. 2.80 - 3.03
resub., dms.....lb. 3.30 - 3.45

Pyroligneous, bbls., incl., l.c.l., ex whse., gal. .43 - —

Ricinoleate (see Acid, castor oil, sodium).

S, bbls., works.....lb. 2.54 - —

Salicylic, tech., bbls., c.l.....lb. .31 - —
smaller lots.....lb. .38 - —
USP, bbls., c.l .....lb. .40 - —
smaller lots.....lb. .47 - —

Sebacic, tech., dms., c.l. works.. lb. No stocks

Soybean oil, s.d., c.l., works.....lb. .23½- .23¾

Stearic, double pressed, bgs.....lb. .36 - .37
single pressed, bgs.....lb. .35½- .36½
triple pressed, bgs.....lb. .38¼- .39½

Succinic bbls.....lb. .87 - .90

Sulphanilic, CP, bots., works.....lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —

Sulphuric, 60°, cbys., c.l., E. works. 100 lbs. 1.35 - 1.40
l.c.l., E. works.....100 lbs. 1.70 - 2.00
tanks, E. works.....ton.13.00 -13.50
66°, cbys., c.l., E. works....100 lbs. 1.55 - 1.70
l.c.l., E. works.....100 lbs. 2.05 - 2.75
tanks, E. works.....ton.16.50 -17.50
98%, tanks, E. works.....ton.17.50 -18.50
CP, N.F., consumers cbys., extra.lb. .08 - —
9-lb. bots., cs., extra.....lb. .10 - —
dealers, cbys., extra.....lb. .06½- —
9-lb. bots., cs., extra.....lb. .08½- —
fuming, 20%, tanks, E. works..ton.19.50 -20.50

Tallow, dist., dms.....lb. .30¾- .31¾

Tannic, tech., 60-62%, dms.....lb. .68 - .69
70%, H.P., dms.....lb. .80 - .90
72-74%, dms.....lb. .80 - .90

USP, fluffy, bbls., 1,000-lb. lots..lb. 1.45 - —
smaller lots.....lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots....lb. 1.35 - —
smaller lots .....lb. 1.30 - 1.50

Tartaric, USP, bbls., 10,000 lbs., 1 ship't..lb. .49½- —
smaller lots.....lb. .50 - —
dms .....lb. .52 - .53
kgs. .....lb. .50½- —

Thioglycolic, refined, bbls., cbys., basis 100%..lb. 1.95 - 2.00
tech., bbls., cbys., basis 100%..lb. 1.40 - —

Tobias, bbls.....lb. .60 - .62

Toluenesulphonic, dms., works....lb. .20 - —

Trichloracetic, bots.....lb. 2.00 - 2.50

Tungstic, CP, 100-lb. pkgs.....lb. 3.30 - —
pure, 100-lb. kgs.....lb. 3.10 Nom.

Aconite leaves, bls. .....lb. .60 - .65
Root, bls. .....lb. 1.10 - 1.15

Aconitine, amorph., mild, bots.....oz. 32.50 - —
cryst., potent, bots.....oz. 85.00 - —

Acrylonitrile, dms., c.l. works....lb. .29½- —
l.c.l., works .....lb. .30½- .42½
tanks, works.....lb. .28½- —

Adeps lanae (see Lanolin).

Adonis vernalis herb, bls.....lb. .65 - .70

Agar .....lb. 3.85 Nom.

Agaric, white bls.....lb. 2.75 - 3.00

Agrimony herb, bls.....lb. .40 - .45

Albumen (egg), edible flake, bbls...lb. 2.90 - 3.00
powd., bbls.....lb. 2.95 - 3.05
tech., cryst., bbls .....lb. 1.25 - 1.45

Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. .....lb. .70 - .75
Egg (see Albumen).

Alcohol, allyl, dms., c.l., dlvd.....lb. .26½- —
l.c.l., dlvd. .....lb. .27 - —
tanks, dlvd. .....lb. .25 - —

Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss..lb. .18 - —
l.c.l., frt. alld. E. of Miss..lb. .19 - —
tanks, frt. alld. E. of Miss....lb. .17 - —
(see also Fusel oil, ref.)

Benzyl, cns.....lb. .72 - .80
dms. .....lb. .68 - .88

Acacia—Alphatocopherol

Alcohol, butyl, no mal, ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .36½- —
l.c.l. frt. alld., E.....lb. .31½- —
tanks, frt. alld. E.....lb. .29 - —
tankwagon, frt alld, E....lb. .29½- —
other production, dms., c.l., frt. alld E..lb. .30½- —
l.c.l., frt. alld. E.....lb. .31½- —
tanks, frt. alld. E.....lb. .29 - —
synthetic dms., c.l., frt alld. E..lb. .18½- —
l.c.l., frt alld E.....lb. .19 - —
tanks, frt alld. E.....lb. .17 - —

Normal butyl alcohol prices in West, ½c per lb. higher.

secondary dms., c.l., dlvd.....lb. .11 - —
l.c.l., dlvd. .....lb. .11½- —
tanks, dlvd. .....lb. .09½- —
tertiary, dms., c.l.....lb. .12½- —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —

Capryl, dms., c.l., works.....lb. .26 - —
l.c.l., works. .....lb. .27 - —
tanks, works .....lb. .24½- —

Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 2.25 - —
smaller lots .....lb. 2.30 - 2.35

Cinnamic, bots. .....lb. 3.00 - —

Denatured, CD12, CD13, dms., c.l., E. works..gal. 1.03 - —
l.c.l., E. works.....gal. 1.07 - 1.12
tanks, dlvd. E.....gal. .96 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works. gal. 1.03 - —
l.c.l., E. works.....gal. 1.07 - 1.12
tanks, E. works.....gal. .96 - —

SD2B, dms., c.l., E. works.....gal. 1.03 - —
l.c.l., E. works.....gal. 1.07½- 1.12½
tanks, E. works.....gal. .96½- —

SD2BII, dms., c.l., E. works....gal. 1.01½- —
l.c.l., E. works.....gal. 1.05½- 1.10½
tanks, E. works.....gal. .94½- —

SD29, denatured with acetaldehyde, dms., c.l., E. works..gal. 1.04 - —
l.c.l., E. works.....gal. 1.08 - 1.13
tanks, E. works.....gal. .97 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c per gal. denaturing charge.

Special solvent, dms., c.l., E. works. gal. 1.03½- —
l.c.l., E. works.....gal. 1.07½- 1.12
tanks, E. works.....gal. .96½- —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone free, dms., c.l., dlvd..lb. 13 - 13½
l.c.l., dlvd. .....lb. 13½- 14
tanks, dlvd. .....lb. 11½- 12

tech., dms., c.l., dlvd.....lb. 13 - 14½
l.c.l. dlvd. .....lb. 14 - 15½
tanks, dlvd. .....lb. 11½- 13

Ethyl, 190 pf., dms., c.l., E. works. gal. 1.13 - —
l.c.l., E. works.....gal. 1.17 -1.22
tanks, E. works.....gal. 1.06 - —
absolute, dms., c.l., E. works..gal. 1.10 - —
l.c.l., E. works.....gal. 1.14 -1.19
tanks, E. works.....gal. 1.03 - —

Ethylhexyl, dms., c.l., works.....lb. .29½- —
l.c.l., works .....lb. .30½- —
tanks, works .....lb. .28½- —

Furfuryl, tech., ens., works.....lb. .55 - —
dms., c.l., works. .....lb. .22½- —
l.c.l., works. .....lb. .25 - —
tanks, works .....lb. .19 - —

Isoamyl (see Carbinol, Isobutyl).

Isobutyl, refd., dms., works.....lb. .13 - —
tanks, works. .....lb. .12 - —

Isopropyl, refd., 91%, dms., incl., c.l., dlvd..gal. .44 - 46½
l.c.l., dlvd. .....gal. .47 - 49½
tanks, dlvd. .....gal. .37 - —
99%, dms., incl., c.l., dlvd....gal. .47½- .50
l.c.l., dlvd. .....gal. .50½- .53
tanks, dlvd. .....gal. .40½- —

Methyl (see Methanol).

Methylamyl (see Carbinol, methylisobutyl).

Octyl, perfumer's grade, bots....lb. 4.00 - 4.40

Phenylethyl, dms. .....lb. 2.30 - 3.50

Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis...lb. .60 - .68

Propyl, normal, dms., c.l., works.lb. .11½- —
l.c.l., works. .....lb. .12 - —
tanks, works. .....lb. .10 - —

Salicyl (see Saligenin).

Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .47 - —
dms., c.l., Waverly, N. Y.....lb. .40 - —
l.c.l., same basis.....lb. .44 - —
tanks, Niagara Falls, N. Y....lb. .36 - —

Aldol, 95%, dms., works.....lb. .15 - .16
denaturing grade, dms.....gal. 1.33 - 1.48

Aletris root, bgs.....lb. 1.85 - 1.90

Algin, bbls., fib. dms.....lb. .76 - 1.00

Alizarin (see Red, alizarin).

Alkanet root, bgs.....lb. .75 - .80

Allspice, Jamaica (see Pimento).
Mexican, bgs.....lb. .13½- .14

Allyl bromide, cbys., 5,000 lbs., works lb. .99 - —
smaller lots, works.....lb. 1.05 - 1.10

Chloride, dms., c.l., dlvd.....lb. .14 - —
l.c.l., dlvd. .....lb. .14½- —
tanks, dlvd. .....lb. .12½- —

Aloe, Cape, es.....lb. .30 - .31
Curacao, kgs.....lb. .33 - .36
Socotrine, kgs.....lb. .33 - .36

Aloin, bbls., dms., kgs.....lb. 3.75 - 4.05

Alphacellulose, bgs., c.l., works.....lb. .64 - .15

Alphanaphthol, bbls.....lb. .64 - —

Alphanaphthylamine, bbls.....lb. .35 - .35¼

Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40

Alphanitronaphthalene, bbls.....lb. .31 - —

Alphapicoline, ref. dms., works, frt. equald..lb. .24 - .27½

Alphapinene, tanks, S. works.....gal. .47 - —

Alphaterpineol, dms., l.c.l., dlvd. E..lb. .18 - —

Alphatocopherol, ampuls.....kilo. 750.00 - —

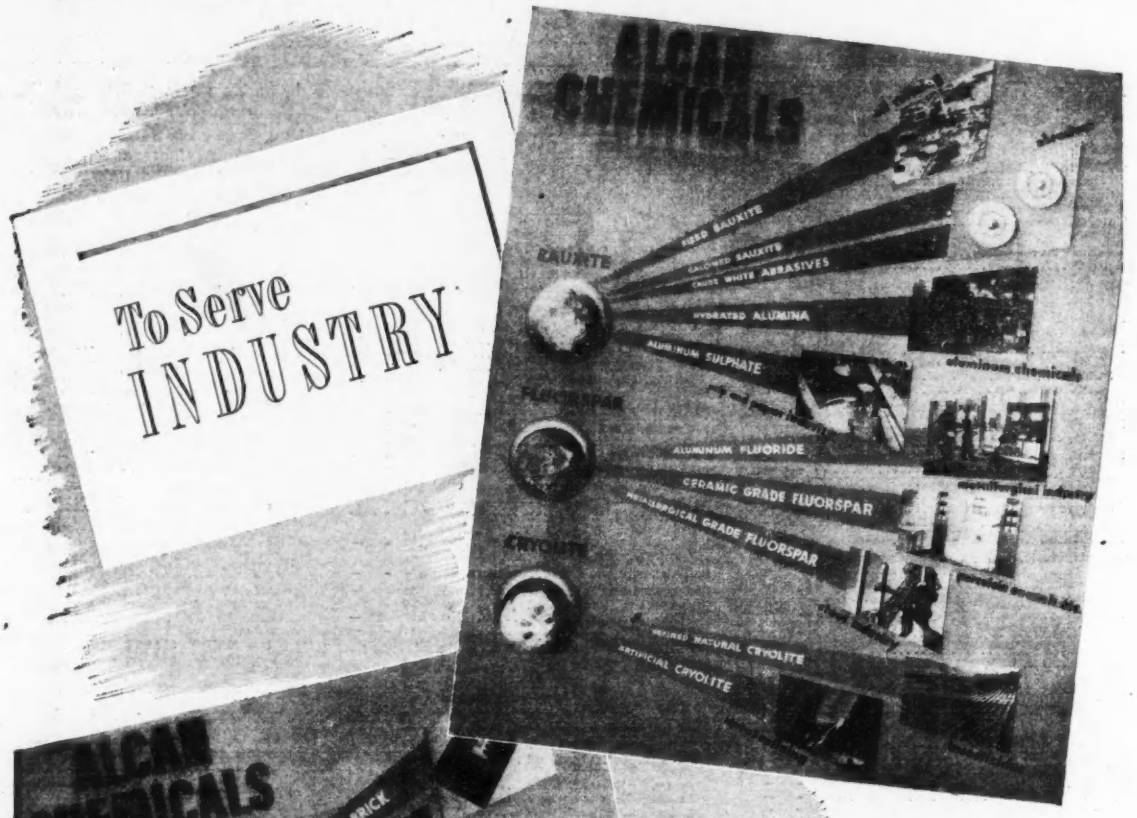
Althea Root—Asbestos

Althea root, NF, peeled, bls.....lb. .40 - .45
Alum, ammonia, burnt, USP, bbls., kgs. lb. .16 - .18
gran., bbls., works.....100 lbs. 4.00 - —
lump, bbls., works.....100 lbs. 4.25 - —
powd., bbls., works.....100 lbs. 4.40 - —
Potash, gran., bbls., works...100 lbs. 4.25 - —
lump, bbls., works.....100 lbs. 4.50 - —
powd., bbls., works.....100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works.....100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, classified grade, grd., kgs., works..lb. .35 - .37
top grade, grd., kgs., works.....lb. .60 - .67
unclassified, grd., kgs., works...lb. .10½- .40
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works..lb. .11 - —
20%, bbls., l.c.l., works.....lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works..lb. .10 - .11
l.c.l., works.....lb. .10¼- —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32°, cbys., c.l., works...lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., bbls., c.l.....lb. .25 - —
Formate, solution, 19° Be., bbls., c.l., lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., works.ton.56.00 - —
l.c.l., works.....ton.76.00 - —
light, bgs., dlvd. .....lb. .17 - —
Hydroxide gel, tech., min. 15% Al (OH_3), dms., 10,000 lbs. or more, f.o.b. ship't point....lb. .03 - .03½
ton lots, same basis.....lb. .03¼- .05½
smaller lots, same basis....lb. .03¾- .04
Aluminum hydroxide, gel., tech., 14-15% Al_2O_3, flb. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
9-9½% Al_2O_3, flb. dms., works.lb. .17¾- —
contract, works.....lb. .16¾- —
dried, USP XII, flb. dms., works. lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Aluminum hydrate).
USP IX bbls., dms.....lb. .15 - 17
Laurate, precip., bbls.....lb. .42 - —
Linoleate, solid, bbls.....lb. .51½- —
Metal, 98-99%, ingots, 10,000 lbs..lb. .15 - —
pigs, 10,000 lbs.....lb. .14 - —
Naphthenate, 1.7% Al dms., wks.lb. .19 - —
Oleate, dms., contract.....lb. .43¾- —
Paste, lining, extra fine, dms....lb. .56 - .60
ink, dms.....lb. .71 - —
standard, dms.....lb. .38 - —
Powder, lining, extra fine, dms..lb. .93 - —
litho, dms.....lb. .62 - .64
standard, dms.....lb. .62 - —
rubber comp. dms.....lb. .47 - —
unpolished, stand., dms.....lb. .43 - .44
varnish, stand., dms.....lb. .47 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Aluminum resinate, precip., dms....lb. .20½- —
Stearate, dibasic, ctns., c.l.....lb. .47 - —
l.c.l.....lb. .48 - —
monobasic, ctns., c.l.....lb. .47 - —
l.c.l.....lb. .48 - —
tribasic, ctns., c.l.....lb. .52 - —
less ton quantities.....lb. .53 - .54
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.80
l.c.l., same basis.....100 lbs. 1.40 - 1.50
bbls., c.l., same basis....100 lbs. 1.55 - 1.60
l.c.l., same basis.....100 lbs. 1.95 - 2.00
iron-free, bgs., c.l., works..100 lbs. 1.95 - 2.25
l.c.l., works.....100 lbs 2.35 - 2.50
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins.....oz. 8.50 -12.00
Aminoazotoluene, bbls.....lb. .85 - —
Aminoethylpropanol, cns., dms., works, lb. .50 - .60
Aminoethylethanolamine, tanks, works, lb. .60 - —
Aminopyrine, bots., dms.....lb. 4.50 - 4.75
Ammonia, anhydrous, fertilizer, tanks, works, frt. equald..ton.59.00 - —
pure, cyls., extra.....lb. .16 - —
refrigeration, tanks, works....ton.61.50 - —
Aqua, dms., c.l., works.....lb. .03 - .03¼
l.c.l., works.....lb .03½- —
tanks, works (NH_3 content)....ton.65.00 - —
Ammoniac gum (see Gum, ammoniac),
Sal, gray, bbls., c.l., works..100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.40 - —
white, gran., bbls., c.l., works.. 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 5.00 - —

Ammonium acetate, purified, bbls..lb. .32 - —
reagent, bbls.....lb. .34 - —
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld..lb. .43 - —
smaller lots, frt. alld.....lb. .44 - .47
Biborate, bbls., c.l., works.....ton.320.00 - —
ton lots, works.....ton.338.50 - —
less ton lots, works.....ton.343.50 - —
Bicarbonate, dms., works, c.l.....lb. .064 - .0675
Bichromate, bbls., works.....lb. .26 - .30
Bifluoride, bbls.....lb. .15 - 15½
Bromide, gran., NF, bbls.....lb .31 - —
dms.....lb. .32 - .35
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms.....lb. .11 - .19
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, bbls., dms., kgs.....lb. .13 - .18
Citrate, dibasic, bbls.....lb. .75 - —
dms.....lb. .80 - 85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
Iodide, NF, jars.....lb. 3.90 - 3.96
Linoleate, plastic, 80%, dms., works.. lb. .40½- —
kgs., works.....lb. .42½- —
25%, dms., frt. alld. zone 1....lb. .21½- —
tech., bbls., works.....lb. .37 - —
dms., works.....lb. .39 - —
Molybdate, CP, cryst., kgs.....lb. 1.26 - 1.30
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 33.5% N, bgs., c.l., shipping point..ton.75.00 - —
dom., bgs., western works....ton.48.50 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va..ton.37.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .23 - —
dms.....lb. .25 - .29
Pentaborate, gran., bbls., c.l., works. ton.230.00 - —
ton lots, works.....ton.248.50 - —
less ton lots, works.....ton.253.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs.....lb. .25 - —
Persulphate, kgs.....lb. .25½- .28¼
Phosphate, dibasic, NF V, bbls., kgs. lb. .37 - .39
tech., bgs., c.l., works.....lb. .07 - —
l.c.l., works.....lb. .07¾- —
Salicylate, NF, dms., kgs.....lb. 1.25 - —
Silicofluoride, bbls., works.....lb. .12½- —
Stearate, anhydrous, dms.....lb. .34 - —
paste, dms.....lb. .06½- —
Sulphamate, bbls., dms., works....lb. .18 - .20
Sulphate, bulk, producing ovens..ton.35.00 -38.00
Sulphide, liquid, 40-45% basis, 100% dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .10½- —
tanks, dlvd. or frt. alld....lb. .08½- —
Sulphocyanide, pure, bbls.....lb. .60 - .68
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycolate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .28½- —
l.c.l., dlvd. .....lb. .29½- —
tanks, dlvd. .....lb. .27 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether (see Ether, amyl).
Nitrite, USP, bots.....lb. 1.75 - 1.83
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, cns.....lb. .77 - .90
Stearate, dms., works.....lb. .42 - .45½
Anethol, com'l, dms., works.....lb. .50 - —
NF, dms.....lb. .90 - 1.40
Angelica root, dom. (atropurpurea), bls..lb. 1.10 - 1.15
imported, bls.....lb. 1.50 - 1.60
Angostura bark, bls.....lb. .55 - .60
Anilin oil, dms., c.l., works, frt. alld..lb. .14 - —
l.c.l., works, frt. alld.....lb. .15 - —
tanks, works, frt. alld.....lb. .13 - —
Salt, dms., works.....lb. .22 - .24
Anise, Argentine, bgs.....lb. .29 - .30
Chinese, Star .....lb. .15 - .15½
Cyprus, bgs.....lb. .26 - .26½
Mexican, bgs.....lb. .25½- .26¾
Syrian, bgs.....lb. .26 Nom.
Anisic aldehyde, bots., cns.....lb. 2.53 - 3.35
dms.....lb. 2.42 - 2.75
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs.....lb. .19 - .20
Anthracene, 80-85%, bbls., works....lb. .60 - .86
90%, bbls., works.....lb. .81 - 1.00
Anthraquinone, 99.5%, bbls.....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, bulk, c.l., mines.....lb. .33 - .33½
Needle, cs.....lb. No stocks
Oxide, ceramic grade, bgs., c.l., dlvd..lb. .26 - .27½
l.c.l., dlvd. .....lb. .28 - .28½
paint grade, bgs., c.l., works....lb. .27½- .31
l.c.l., works.....lb. .28¼- .32½
Salt, 65%, bgs., c.l., dlvd. E. of Miss. lb. No stocks
Sulphide, 65-70%, bbls., c.l., works..lb. .22 - —
l.c.l., works.....lb. .24 - —
Antipyrine, bbls.....lb. 2.15 - 2.25
Apomorphine, bots. .....oz.23.20 -23.70
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .22 - .23
Arecoline hydrobromide, bots.....oz. 6.10 - 7.10
Antimony-potassium tartrate (see Tartar emetic)
Argols, min. 70%, bgs., shipment ports, 100 kilos (100% purity)..30.00 - —
Arnica flowers, bls.....lb. 1.15 - 1.25
Arrowroot, powd., bgs., bbls.....lb. .16 - .17
Arsenic, metal, lump, bbls., c.l.....lb. No stocks
Metal, lump, bbls., c.l.....lb. No stocks
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l.....lb. .06 - —
l.c.l. .....lb. .07 - .08
Asafetida, cs.....lb. .55 - .60
powd., bbls., dms.....lb. .72 - .77
Asbestine (see Talc, N. Y., fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Can. mines..ton.73.00 - —
5R, bgs., c.l. (20 tons), same basis. ton.65.00 - —
6D, bgs., c.l. (30 tons), same basis. ton.48.50 - —
7D, bgs., c.l. (30 tons), same basis. ton.44.50 - —
7F, bgs., c.l. (30 tons), same basis. ton.42.00 - —
7K, bgs., c.l. (30 tons), same basis. ton.31.00 - —
7M, bgs., c.l. (30 tons), same basis. ton.27.50 - —
7R, bgs., c.l. (30 tons), same basis. ton.26.50 - —
7RF, bgs., c.l., same basis....ton.27.00 - —
7T, bgs., c.l., same basis.....ton.25.50 - —
7TF, bgs., c.l., same basis.....ton.27.00 - —



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MONTREAL, QUE.

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CHROMIC ACID
MONOETHANOLAMINE
PROPYLENE GLYCOL
POTASSIUM GUAIACOL SULFONATE

For Sale

CALCIUM LACTATE
ETHYL ACETATE 95-98%
LACTIC ACID
LANOLIN, USP
MONO SODIUM GLUTAMATE
NICKEL FORMATE
SODIUM LACTATE
SODIUM SULPHIDE, Flake
TETRACHLORETHANE
THIO UREA
UREA 46%N; 132°C m.p.

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Chemicals

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TELEPHONE LEXINGTON 2-3324
CABLE—"WILNEUBERG"

Asphaltum—Borage Flowers

Asphaltum, California, dms., c.l..ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuban, A, bulk, c.l. .....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l. .....ton.38.50 - —
l.c.l. .....ton.55.00 - —
Gilsonite, brilliant black, selects 270°-295° F fus. pt., bgs., f.o.b. Colo. mines..ton.36.50 - —
Seconds, 300°-330° F fusing point, not uniform, bgs., mines..ton.29.00 - —
Jet, bgs., ton lots, gross weight, Colo. mines..ton.29.00 - —
Manjak, No. 10, crude, dms., works. lb. .06½- —
process form, bgs., works.....lb. .05⅝- .12
Mexican, refd., dms., f.o.b. Tampico, metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -25.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz.10.80 -12.00
Sulphate, bots.....oz. 8.90 - 9.85

B

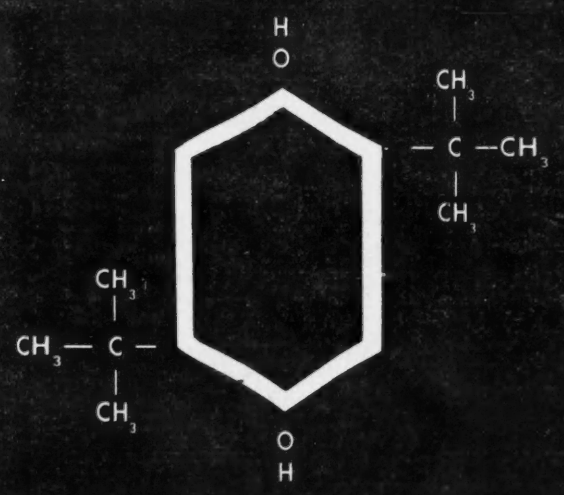
Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms. .....lb. 4.50 - —
Sodium, dms. .....lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works..ton.67.50 -75.00
small lots, works.....ton.74.50 -82.00
Chlorate, kgs., works.....lb. .25½- .31
Barium chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., bgs., c.l., works.....ton.85.00 - —
l.c.l., works .....ton.95.00 - —
Dioxide, dms., c.l., works.....lb. .11½- —
l.c.l., works .....lb. .13 - —
Fluoride, bbls. .....lb. .14 - —
Hydrate, crystals, bgs.....lb. .09 - .09½
Hydroxide, bbls., works.....lb. .19 - —
Iodide, bots. .....lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works.....lb. .11½- —
l.c.l., works .....lb. .13 - —
Oxide, grd., dms., works.....lb. .11 - .11½
l.c.l., works .....lb. .12½- .13½
Peroxide (see Dioxide).
Silicofluoride, bbls. .....lb. .17 - .19
Stearate, ctns., 1-ton up.....lb. .51 - .52
smaller lots.....lb. .53 - .54
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls. .....lb. .10 - 10½
kgs. .....lb. .12½- —
Sulphide, dms., works.....ton.55.00 -70.00
Baryte ore, approx. 94% $BaSO_4$, bulk, mines..ton. 8.50 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis..ton.30.50 - —
l.c.l., same basis.....ton.32.10 - —
ex whse., N. Y.....ton.45.00 - —
Southern off-color, bgs., mines....ton.19.00 - —
95.75%, bgs., mines.....ton.20.00 - —
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. 12 - .13
Belladonna leaf, bls.....lb. 1.40 - 1.50
Root, bls. .....lb. 1.25 Nom.
Bauxite, bulk, mines.....ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works..ton.11.00 - —
Benzaldehyde, NF, dms.....lb. .68 - .90
tech., cbys., dms .....lb. .45 - .55
Benzene (see Benzol).
Hexachloride, tech., 11% gamma bgs., dms., c.l., works..lb. .35¾- .42¼
l.c.l., works .....lb. .379 - .474
dust, dry, 50%, dealers, dms., c.l., works..lb. .33 - —
l.c.l., works. .....lb. .34 - .38
wet, 50%, dealers, dms., c.l., works..lb. .34 - —
l.c.l., works .....lb. .35 - .36
Benzidin base, bbls.....lb. .77 - —
Benzocaine, cns. .....lb. 3.50 - 3.85
Benzol (benzene), pure, nitration and 90%, dms. ret., works..gal. .24 - .26
tanks, E. of Omaha, frt. alld. up to 2c..gal. .19 - .21
W. Coast, Minnequa, Colo., same basis..gal. .19 - —
Benzophenone, dms. .....lb. 1.15 - 1.60
Benzoyl chloride, cbys.....lb. .20 - .28
Peroxide, pure, fib. ctns., works...lb. .90 - 1.05
Benzyl acetate, f.f.c., dms.....lb. .60 - 1.00
dms .....lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., cns., dms.....lb. 1.00 - 1.40
Chloride, refined, cbys.....lb. .22 - —
tech., cbys., works, frt. equald..lb. .20½- —
Cinnamate, cns.....lb. 3.65 - 4.00
Formate, cns. .....lb. 1.95 - 3.50
Propionate, bots. .....lb. 1.85 - 2.30
Salicylate, bots. .....lb. 1.80 - 2.25
Benzylidinacetone, bots.....lb. 1.85 - 2.70
Benzylisoeugenol, bots. .....lb. 2.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots. .....lb. No stocks
Sulphate, cns. .....lb. No stocks
Berberis root, bls.....lb. .30 - .35
Betagammapicolin, dms., c.l., works. lb. .14½- —
l.c.l., works .....lb. .25 - —
Betanaphthol, resublimed, dms., works. lb. .72 - .75
tech., bbls., c.l., works.....lb. .23 - .26
l.c.l., works .....lb. .26 - .29
Benzoate, fib. dms., works.....lb. 1.75 - —
Salicylate, dms. .....lb. 5.00 - —
Betanaphthylamine, tech., bbls., works. lb. .62 - —
Betapicolin, 90%, ret. dms., c.l., works. lb. 1.60 - —
l.c.l., works .....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98-99%, dms., works.....lb. 2.20 - —
Beth root, bls.....lb. .55 - .60
Bismuth chloride, jars.....lb. 4.50 - —
Citrate, USP VIII, jars.....lb. 3.12 - —
Hydroxide, dms. .....lb. 4.00 - —
Metal, bxs., ton lots.....lb. 2.00 - —
Nitrate, cryst., cns.....lb. 1.60 - —
Oxychloride, cns. dms.....lb. 3.80 - —
Oxide, anhydrous, dms.....lb. 4.20 - —
Subcarbonate, USP, dms.....lb. 2.60 - 2.65
Subgallate, NF, fib. dms.....lb. 2.45 - 2.48
Subiodide, fib. dms.....lb. 4.13 - —
Subnitrate, USP, dms.....lb. 2.15 - 2.18
Subsalicylate, USP, dms.....lb. 3.05 - —
Sulphocarbolate, fib. dms.....lb 4.05 - —
Bismuth-ammonium citrate, USP, powd., dms..lb. 3.70 - —
Black, acetylene, bgs., c.l., works..lb. .12½- —
cs., l.c.l., ship. pt.....lb. .16 - .18
Bone, bgs., bbls., c.l., frt. alld. dest. lb. .13 - .21
Carbon, channel, beads, bulk, c.l., works..lb. .06 - —
bgs., c.l., works.....lb. .0632- —
l.c.l., works.....lb. .07 - —
dlvd. or whse.....lb. .1025- —
uncompressed, regular, bgs., c.l., works..lb. .075 - —
bgs., ctns., l.c.l., dlvd. or whse lb. .11¾- —
furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .09 - —
SRF, bgs., c.l., works.....lb. .035 - —
ctns., l.c.l., whse.....lb. .075 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .10 - —
Lamp, bgs., c.l., works.....lb. .07 - .30
Mineral, bgs., l.c.l. .....ton.26.00 -31.00
Black ash (see Barium sulphide).
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .75 - .76
Tree bark, bls.....lb. .35 - .43
Black Indian hemp root, bls.....lb. .55 - .60
Blanc fixe, dry, by-product.. bgs., c.l., works..ton.72.50 - —
l.c.l., works .....ton.80.00 - —
direct process, bgs., c.l., works... ton.85.00 - —
l.c.l., works .....ton.90.00 - —
N. Y. whse.....ton.108.00 -120.00
bbls., c.l., works.....ton.90.00 - —
l.c.l., works .....ton.95.00 - —
N. Y. whse.....ton.113.00 - —
pulp, 66⅔%, bbls., c.l., works..ton.55.00 - —
l.c.l., same basis.....ton.60.00 - —
Bleaching powder, dms., c.l., works.... 100 lbs. 3.75 - —
l.c.l., works .....100 lbs. 4.25 - —
bbls., c.l., works.....100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 4.00 - —
Blood, dried, 16-16½% ammo., bgs..... unit-ton. 9.75 - —
high-grade, unground, 16-17% ammon., bulk, Chicago..unit-ton.10.00 - —
soluble, bgs., l.c.l.....lb. .17 - .25
Bloodroot, bls. .....lb. .75 - .80
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.90 - —
Toner, bbls., litho flushed, same basis..lb. 1.10 - —
Celestial, bbls., same basis.....lb. .15 - .16
Chinese, bbls., same basis.....lb. .42 - —
Cobalt, genuine, bbls., same basis.lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanin, full strength, bbls., same basis..lb. 3.75 - 3.85
80%, bbls., same basis.....lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Methyl violet toner, bbls., same basis. lb. 4.20 - —
Milori, bbls., same basis.....lb. .42 - —
Peacock, fugitive, 100% color strength, same basis..lb. .60 - .70
Permanent toner, green shade, molybdic, bbls., same basis..lb. 3.75 - —
Tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis.....lb. .48 - —
Prussian bbls., same basis.....lb. .42 - —
soluble, bbls., same basis.....lb. .42 - —
Soda, CP, bronze, bbls., same basis, lb. .90 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis..lb. .24 - .28
jobbing type, dry, bbls., same basis..lb. .13 - .14
regular types, dry or pulp, bbls., same basis..lb. .18 - .28
Victoria, toner, molybdic, bbls.....lb. 3.75 - —
Tungstic, bbls.....lb. 3.75 - —
Ink toner, bbls., same basis....lb. 2.05 - 2.12
Violet toner, molybdic, bbls., same basis..lb. 1.24 - —
Tungstic, kgs., same basis....lb. 2.60 - 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.., Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls.....lb. .11 - .12
Bone, raw, bulk, Chicago.....ton.75.00 - —
junk, bulk, same basis.....ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works...ton.65.00 - —
Chicago, works.....ton.60.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.65.00 - —
Chicago, works .....ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.60.00 - —
Chicago, works .....ton.60.00 - —
Phosphate, defluorinated (see D). precipitated (see Calcium Phosphate tribasic precip).
Boneset leaves, bls.....lb. .17 - .18
Borage flowers, bls.....lb. .55 - .60

New Stabilizing Agent

for mineral oil, vegetable oils, greases, paints, cosmetics, and various resin monomers

2,5-DITERTIARY BUTYL HYDROQUINONE

White Powder: M. P. 210-212°C



SOLUBILITY AT 30°C	
SOLVENT	SOLUBILITY
Water	0%
Acetone	28.3%
Ethyl Acetate	32.7%
Alcohol	26.4%
Benzene	1.4%

Available in 50- and 100-pound drums.

RESIN manufacturers have long searched for a monomer stabilizer which is effective at storage temperatures but which is easily deactivated when polymerization is desired. 2,5-Ditertiary Butyl Hydroquinone offers an answer to this problem.

In the presence of peroxides or oxygen at polymerization temperatures, it is converted to 2,5-Ditertiary Butyl Quinone. For vegetable oils, the latter product is a polymerization catalyst. For styrene and other vinyls, the Quinone has no appreciable depressing effect on the polymerization rate.

For economical removal of stabilizer before polymerization, try 2,5-Ditertiary Butyl Hydroquinone.

TENNESSEE EASTMAN CORPORATION

(Subsidiary of Eastman Kodak Company)

KINGSPORT, TENNESSEE

Borax, tech., 89½%, cryst., paper bgs., c.l., works, frt. split..ton.74.50 - 76.00
ton lots, ex whse., N. Y. or Chi..ton.98.20 -98.50
less ton lots, same basis..ton.99.20 -99.50
bbls., c.l., works, frt. split..ton.94.50 - —
ton lots, ex whse., N. Y. or Chi..ton.114.20 -114.50
less ton lots, same basis..ton.119.20 -119.50
fine gran., bulk, works.....ton.44.50 -47.50
paper bgs., c.l., works, frt. split. ton.48.50 - —
ton lots, ex whse., N. Y. or Chi..ton.68.20 -68.50
less ton lots, same basis..ton.72.20 -72.50
bbls., c.l., works, frt. split..ton.68.50 - —
ton lots, ex whse., N. Y. or Chi..ton.88.20 -88.50
less ton lots, same basis..ton.93.20 -93.50
powdered, paper bgs., c.l., works, frt. split..ton.53.50 - —
ton lots, ex whse., N. Y. or Chi..ton.73.20 -73.50
less ton lots, same basis..ton.78.20 -78.50
bbls., c.l., works, frt. split..ton.73.50 - —
ton lots, ex whse., N. Y. or Chi..ton.93.20 -93.50
less ton lots, same basis..ton.98.20 -98.50
Borax packed in kgs. is $40 per ton higher than borax packed in paper bags. USP, $15 per ton higher.

Bordeaux mixture, bgs., c.l., whse., works, frt. alld..lb. .15 - .21
l.c.l., same basis.....lb. .16 - .23

Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).

Brazilwood extract (see Hypernic).

Brimstone (see Sulphur).

Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., same basis.....lb. .23 - —
single pkgs., same basis.....lb. .28 - —
dms., lead-lined, c.l., dlvd.....lb. .19 - —

Bromoform, USP, bots.....lb. 1.50 - 1.70
cyls.....lb. 1.42 - —

Bromotyrol, bots.....lb. 4.85 - 6.25

Bronze powder, aluminum (see Al.
Gold, litho., cans, dms., works..lb. .50 - .60
moulding, cans, dms., works..lb. .80 - 1.00
printing ink, cans, dms., works. lb. .85 - 1.10
radiator, cans, dms., works..lb. .60 - .65

Broomtop, bls.....lb. .29 - .30

Brown, iron, synth., bgs., l.c.l., works. lb. .12 - .12½
Oxide, metallic, bgs., c.l., works.lb. .02¾ - .07
Sap, crystals, works.....lb. .12 - —
powdered.....lb. .15 - —

Sienna, burnt, American, works, paper bgs., l.c.l..lb. .06¾ - .10¾
Italian type, bgs., works.....lb. .10¾ - .14
raw, American, bgs., l.c.l., works.. lb. .05¾ - .10¾
Italian type, bbls., works.....lb. .11¾ - .12¾

Umber, burnt, American, c.l., bbls., works..lb. .05 - —
l.c.l., bgs., works.....lb. .05¼ - —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y..lb. .05¼ - —
l.c.l., works.....lb. .05½ - —
raw, American, bgs., same basis. lb. .05¼ - .05½
Turkey type, bgs., same basis. lb. .05½ - .05¾
Vandyke, bbls., works.....lb. .10 - .11

Bruceine, cns., 100 ozs.....oz. .40 - .50
Sulphate, cns., 100 ozs.....oz. .40 - .45

Bryonia root, bl.....lb. .45 - .50
Bucku leaves, bls.....lb. 1.00 - 1.05

Buckthorn bark, bls.....lb. .34 - .35
cut and sifted, bbls.....lb. .45 - .46
Berries, bgs.....lb. 1.00 - 1.10

Butane, indust., tanks, group 3....gal. .04 - —

Burdock root, bls.....lb. .42 - —

Butyl acetate, normal, ferment, tl., ind., prod., dms., c.l., works, frt. alld. E. of Miss..lb. .30½ - —
l.c.l., same basis.....lb. .31½ - —
tanks, same basis.....lb. .29 - —
tankwagons, same basis..lb. .29½ - —
other production, dms., c.l., same basis..lb. .30½ - —
l.c.l., same basis.....lb. .31½ - —
tanks, same basis.....lb. .29 - —
synthetic, dms., c.l., same basis. lb. .18½ - —
l.c.l., same basis.....lb. .19 - —
tanks, same basis.....lb. .17 - —
Normal butyl acetate, W. of Miss., ½c. per lb. higher.
secondary, dms., c.l., dlvd. E. of Miss..lb. .12½ - —
l.c.l., same basis.....lb. .13½ - —
tanks, same basis.....lb. .11½ - —

Alcohol (see Alcohol, butyl).

Aldehyde, dms., c.l., works.....lb. .20½ - —
l.c.l., works.....lb. .21½ - —
tanks, works.....lb. .19½ - —

Ether (see Ether, butyl).

Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .40½ - —
l.c.l., same basis.....lb. .41½ - —
tanks, same basis.....lb. .39 - —
Laurate, dms., works.....lb. .42 - —
Methacrylate, M-4, dms., works..lb. .60 - —
cns., works.....lb. .63 - .67
P-4, cns., works.....lb. .65 - —
Myristate, dms., works.....lb. No prices.
Oleate, ref., dms., l.c.l., works....lb. .52 - —
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. No stocks
tanks, dlvd.....lb. No stocks
Stearate, dms., l.c.l., frt. alld. E. of Rockies..lb. .45 - —
Butyl-isobutyl methacrylate, P-5, 50/50, cns., works..lb. .60 - —

Butyric ether (see Ethyl butyrate).

C

Cadmium bromide, jars.....lb. 1.66 - 1.91
Iodide, cns.....lb. 4.80 - 4.90
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd..lb. 1.75 - 1.80
patent shapes, cs., dlvd.....lb. 1.75 - 1.80
Selenide (see Reds).
Sulphide (see Yellow).

Caffeine, cryst., dms., 100 lbs. or more. lb. 4.25 - 7.00
anhydrous, dms., 100 lbs. or more. lb. 4.50 - —
Citrated, dms., 100 lbs. or more....lb. 2.75 - —
Hydrobromide, bots.....lb. 6.00 - —

Calabar beans, bgs., futures.....lb. .65 - .66

Calamus root, dom., bls.....lb. .35 - .40
bleached, imported, bls.....lb. .70 - .80

Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works..gram. 4.60 - —
1,000 to 10,000 s.u., works..gram. 4.40 - —
less than 1,000 s.u., works..gram. 4.80 - —

In edible oil, dms., 10,000 or more... lb. .10 - —
1,000 to 10,000 s.u., works....unit. .11 - —
less than 1,000 s.u., works..unit. .12 - —

Calcium acetate, bgs., dlvd....100 lbs. 3.00 - 4.00

Arsenate, dealers, dms., c.l., whse., works, frt. alld..lb. .09¼ - —
l.c.l., same basis.....lb. .10¼ - .11¼

Bromide, N. F., jars.....lb. .70 - —

Carbide, dms., c.l. works.....ton.70.00 -90.00
delivered.....ton.102.00 -109.00

Carbonate (see Chalk and Whiting).

Chloride, cryst., purified, bbls., jars. lb. .28 - .80
flake, 77-80%, paper bgs., c.l., dlvd. ton.21.50 -38.00
l.c.l., dlvd.....ton.31.50 48.00
liquor, works, basis 40%.....ton. 8.50 -
solid, 73-75%, dms., c.l., dlvd. ton.21.00 -37.50
l.c.l., dlvd.....ton.81.00 -81.15

Calcium chloride prices vary according to zone, minimum prices are for spot delivery. C.l. prices for flake in burlap bgs., $2.50 per ton higher; dms., $3.50 per ton higher.

Cyanide, dms., delivered, E. of Rockies..lb. .25 - .40

Gluconate, AA, bbls.....lb. .65 - .72
cns.....lb. .83 - .90
USP, bbls.....lb. .58 - .65
cns.....lb. .76 - .83

Hydride, dms., works.....lb. .90 - —

Glycerophosphate, NF, 6lb. dms...lb. 1.80 - —

Hypochlorite, 800-lb dms., dlvd. E. of Rockies..dm.24.00 -28.50
cans, cased (45 lbs.) same basis..cs.19.75 21.50

Iodide, jars.....lb. 4.12 - —

Lactate, USP, dms.....lb. .34 - .41

Laurate, bbls.....lb. .43 - .44

Mandelate, USP, dms., works.....lb. 2.25 - 2.60

Naphthenate, 5% Ca, dms.....lb .27 - —

Pantothenate, dex., jars.....kilo 75.50 - —

Calcium phosphate, feeding grade, bgs., works..ton.75.50 - —
food grade, bbls., 10 or over, works. lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal dibasic, bgs.....100 lbs.11.40 -13.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. 6.50 - —
l.c.l., same basis.....lb. 6.75 - —
tribasic, bbls., c.l., works.....lb. 6.50 - 6.80
bgs., l.c.l., works.....lb. 6.85 - 7.00

Phytate, bgs., works.....lb. .22 - —

Resinate precip., 6.8% Ca, dms..lb. .20 - —

Silicate, hydrated, bgs., c.l., works .05½ - —
l.c.l., works.....lb. .06 - —

Stearate, precip., cns., c.l., works. lb. .48 - —
l.c.l., works.....lb. .49 - .50

Sulphate (see Gypsum).

Sulphide 70%, bgs., c.l., works..ton.45.00 - —
70%, bgs., l.c.l., works.....ton.50.00 - —
luminous tins works.....lb. 1.25 - —

Sulphocarbolate bbls. dms.....lb. .49 - .54

Calcium-strontium sulphide, phosphorescent, dms., works.....lb. 1.00 - 1.50
fine particle size, works.....lb. 1.50 - 1.75

Calendula flowers, bls.....lb. 1.60 - 1.65

Calomel, USP, cryst., dms.....lb. 1.82 - 1.83
fine powd., dms.....lb. 1.97 - 1.98

Camphor, monobromated, dms....lb 3.20 - —

Camphor, natural.....lb. No stocks.
synth., tech., bbls., 2,000 lbs. or more, works. lb. .45 - —
10 bbls. (1,500 lbs.).....lb. .47½ - —
smaller lots.....lb. .48 - .53
USP, gran., powd., bbls., 2,000-lb lots..lb. .72 - —
1,000-lb. lots.....lb. .73 - —
smaller lots.....lb. .74 - —
tablets, tins, 2,000-lb. lots..lb. .86 - —
1,000-lb. lots.....lb. .87 - —
smaller lots.....lb. .88 - —

Canada balsam (see Fir balsam).

Cantharides, Chinese, cs.....lb. 2.00 - 2.25
powd., bgs.....lb. 2.25 - 2.50

Russian, bgs.....lb. 7.00 - 7.25
powd., bgs.....lb. 7.25 - 7.50

Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns.....lb. 6.50 - 6.75

Caramel coloring, bbls.....gal. 1.25 - —

Caraway seed, Danish, bgs.....lb. .18 Nom.
Dutch, bgs.....lb. .18½ - .19
futures, new crop, bgs.....lb. .17½ - .18

Carbazole, 95%, dms., ton lots, works. lb. 1.10 - 1.30
smaller lots, works.....lb. 1.20 - —

Carbinol, butyl, norm., dms., l.c.l., works..lb. .62 - —
secondary, dms., l.c.l., works..lb. .70 - —
Isobutyl, dms., c.l., works.....lb. .53 - —
l.c.l., works.....lb. .52 - —
tanks, works.....lb. .50 - —

Methylisobutyl, dms., c.l., frt. alld. E..lb. .14½ - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .12 - —

Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points..lb. .05½ - —
l.c.l., same basis.....lb. .06¾ - —
5-gal. dms., c.l., same basis..lb. .07½ - —
l.c.l., same basis.....lb. .08½ - —

Dioxide, cyls.....lb. .06 - .08

Tetrachloride, CP, dms., c.l.....lb. .11 - —
l.c.l.....lb. .11½ - —
tech., dms., zone 1, c.l., frt. alld..lb. .07 - —
l.c.l.....lb. .07½ - —
zone 2, c.l., frt. alld.....lb. .07½ - —
l.c.l.....lb. .08½ - —
zone 3, c.l., frt. alld.....lb. .08 - —
l.c.l., frt. alld.....lb. .09½ - —
zone 4, c.l.....lb. .07½ - —
l.c.l.....lb. .08 - —

ASPIRIN USP
RESORCIN USP Recrystallized
GLUCOSE 45° Bé
MAGNESIUM OXIDE Heavy
FORMIC ACID 90%
SODIUM SULPHIDE
NICKEL ANODES
BLEACHING POWDER 70%
TRICHLORETHYLENE
ANILINE OIL
DIRECT BLACK
PHOSPHORIC ACID 85%
SULPHUR BLACK
ATABRINE TABLETS
CHROME ORANGE, C.P.

OTHER SPECIAL PRODUCTS

Distributors for
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NICKEL FORMATE
also NICKEL CATALYST
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CHEMICALS CORPORATION
420 LEXINGTON AVENUE
NEW YORK 17, N. Y. Phone: LE 2-9740

Carbon Tetrachloride, USP—Codeine

Carbon tetrachloride, USP, chys....lb. .17 - .19

Carbon tetrachloride sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings. Zone 4 prices are f.o.b. cars, L. A., Calif., S. F., Calif., Portland, Ore., and Seattle, Wash.

Cardamom fruit, bleached, bold, cs...lb. 1.80 - 1.85
medium, cs.....lb. 1.50 - 1.55
decorticated, Guatemalan, cs. ...lb. 1.10 - 1.15
Indian, cs. .....lb. 1.15 - 1.20
green, Alleppey, bgs.....lb. 1.15 - 1.20
Seed (see Cardamom fruit, decorticated)
Carotene, cryst., research grade tins, works..gram. 5.00 - —
in vegetable oil (alpha, 10%, beta, 90%), amps., 100 grams, dlvd. gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
tech., tins, works.....lb. .67½- —
diluted, dry powd., 3,330 A units per gm., bots., works..lb. .70 - —
vegetable oil, 250,000 A units per gm., bots., works..lb.37.80 - —
50,000 A units per gm., bots., works..lb. 7.87 - —
3,330 A units, per gm., bots., works..lb. .85 - —
Carvol, bots.....lb.13.00 -16.00
Cascara sagrada bark, bulk.....lb. .40 - .43

Case-hardening mixture, 80% gran., dms., l.c.l..lb. .09⅝- —
slabs, dms., l.c.l.....lb. .08⅝- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. .31 - .33
rennet-precip., 10,000 lbs. or more same basis..lb. .34 Nom.
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .29½- .31⅛
rennet-precip., unground, 100 bgs. or more..lb. .36 Nom.
smaller lots.....lb. .37 Nom.
Cassia bark, Batavia, No. 1, short-stick, bls. lb. .60 Nom.
broken, bls.....lb. .18 - .18½
thinquill, bls.....lb. .60 Nom.
China, rolls, select, cs.....lb. .11½- .12
broken, bls.....lb. .08¾- .09⅝
Kwangsi, broken, bls.....lb. .12½- .13
Saigon, broken, bls.....lb. .38 Nom.
medium, bls.....lb. .41 - .42
thin, bls.....lb. .45 - .46
Yunnan, bls.....lb. .14¼- .14⅝
Buds, China, bgs.....lb. .23½- .24
Cassia fistula, bskts.....lb. 26 - .28
Castor beans, bgs., Brazilian ports.. long ton.172.00 -174.00
Oil (see Oil, castor).
Pomace, bgs., c.l., works.....ton.40.00 - —
Castoreum, nat., cns.....lb.30.00 - —
Catechol, CP, cryst., works, fib. dms.lb. 2.00 - —
resublimed, works, dms.....lb. 3.25 - —
Catnep, bls.....lb. .68 - .70
Celery seed, French, bgs.....lb. .31 - .32
Indian, bgs.....lb. .21½- .22
futures, bgs.....lb. .21½- .22

Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .36 - —
granules, ctns., same basis.....lb. .42 - —
molding composition, plain colors, pearls, special black, dms., c.l., frt. alld..lb. .47 - —
l.c.l., same basis.....lb. .49 - .54
regular black, dms., l.c.l., same basis..lb. .35 - .39
variegations, dms., l.c.l., same basis..lb. .54 - .59
acetate-butyrate, flake, low butyryl content, 15.5-17%, ctns., 5,000 lbs., frt. alld..lb. .49 - —
1,000 lbs., frt. alld.....lb. .50 - —
100 lbs., frt. alld.....lb. .51 - —
smaller lots, works.....lb. .52 - —
medium butyryl content, 36.5%, ctns., 5,000 lbs., frt. alld..lb. .51 - —
1,000 lbs., frt. alld.....lb. .52 - —
100 lbs., frt. alld.....lb. .53 - —
smaller lots, works.....lb. .54 - —
high butyryl content, 47-50% ctns., 5,000 lbs., frt. alld. lb. .57 - —
1,000 lbs., frt. alld.....lb. .58 - —
100 lbs., frt. alld.....lb. .59 - —
smaller lots, works.....lb. .60 - —
molding composition, plain colors, pearls, special black, dms., l.c.l., frt. alld..lb. .56 - .61
regular black, dms., l.c.l., same basis..lb. .47 - .51
variegations, dms., l.c.l., same basis..lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .40 - —

Cerium hydrate, dms., works.....lb. 1.00 - —
Oxalate, NF, bbls., kgs., works..lb. .70 - .75
Oxide, optical grade, bgs., under 100 lbs., works..lb. 2.25 - —
kgs., 100-lb. lots, works.....lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works..lb. .62½- .66¼
l.c.l., ex whse.....lb. .04 - —
paint, bgs., c.l., works.....ton.40.00 - —
papermakers, bgs., c.l., works..ton.32.50 -40.00
rubber makers, bgs., c.l., works.. ton.30.00 - —
Chamomile, Hungarian type, cs....lb. .65 - .70
Roman, bls., futures.....lb. 1.46 - 1.50
Charcoal, hardwood, briquets, bulk, c.l., works..ton.49.50 - —
bgs., c.l., works.....ton.54.50 -55.50
granular, bgs., incl., c.l., works, ton.50.50 - —
lump, bulk, c.l., works.....ton.39.50 -43.50
bgs., extra, returnable, c.l., works..ton.42.50 -46.50
screenings, bgs., works.....ton.33.50 - —
Pinewood, gran., powd., bgs., c.l., works, South..ton.10.00 - —
l.c.l., works .....ton.50.00 -60.00
lump, bgs., c.l., works, South..ton.35.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, powd., 65% tannin, bgs., extra, c.l., works..lb. .1040- —
l.c.l., works.....lb. .1115- —
solid, 25% tannin, bbls., c.l., works, lb. .6435- —
l.c.l., works.....lb. .6460- —
tanks, works.....lb. .6375- —
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works..ton.10.00 -13.00
l.c.l., works.....ton.14.00 -16.00
bulk, c.l., works.....ton. 9.00 - —
99% 200 mesh, bgs., c.l., works..ton.10.00 -12.00
l.c.l., works.....ton.11.00 -16.00
wet-grd., silk-bolt, 99½% 325 mesh, bulk, c.l., works..ton.13.00 - —
paper bgs., c.l., works..ton.15.00 - —
imported, white lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.51.25 - —
powd., bgs., l.c.l., ex whse..ton.60.00 -100.00
Chloral, dms., works.....lb. .45 - .50
Hydrate, jars.....lb. .93 - .98
Chlordane, agricultural, dms., c.l., frt. alld..lb. 1.50 - —
l.c.l., frt. alld.....lb. 1.55 - 1.70
refined, dms., c.l., frt. alld.....lb. 1.65 - —
l.c.l., frt. alld.....lb. 1.70 - 1.85
technical, cns., c.l., works.....lb. 1.55 - —
l.c.l., works.....lb. 1.60 - 1.80
Chlorinated rubber, standard, ctns., 100 lbs. up, works..lb. .40 - —
smaller lots, works.....lb. .43 - —
Chlorine, liquid, cyls., c.l., works..lb. .07 - .12
l.c.l., stock points.....lb. .09 - .15⅛
tanks, single units, works, frt. equald..100 lbs. 2.25 - —
multiple units, 3 cars, works, frt. equald..100 lbs. 2.35 - —
2 cars, same basis....100 lbs. 3.15 - —
1 car, same basis.....100 lbs. 3.75 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloro-orthotoluidine (fted KB base), bbls..lb. 1.38 - —
Chloropicrin, com'l, bots., ex whse..lb. 1.25 - —
cyls., 180-lbs., works, frt. alld..lb. .80 - —
100-lbs., same basis.....lb. .82 - —
25-lbs., ex whse.....lb. 1.00 - —
Choline chloride, fib dms., works..lb. 3.00 - 3.10
feed grade, fib. dms., works..lb. 2.00 - —
Dihydrogen citrate, fib. dms., works, l.l. 3.00 - 3.10
Chrome acetate, powd., 72% Cr., bbls., works..lb. No stocks
solut., 7½%, bbls., cs.....lb. .03¼- —
8½%, bbls., cs.....lb. .05⅜- —
Cake, bulk, c.l., works.....ton.16.00 - —
Fluoride, bbls., works.....lb. .24 - .27
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 8.00
Cinchona bark, USP, red, quill, 30-lb., cs..lb. 1.26 Nom.
Cinchonidine, small cryst., cns., 100 ozs..oz. 1.02½- —
Cinchonine, large cryst., cns., 100 ozs. oz. .79½- —
small cryst., cns., 100 ozs.....oz. .75½- —
Sulphate, NF, cns., 100 ozs.....oz. .75½- —
Cinchophen, NF, heavy, dms., works, lb. 4.20 - 4.50
standard, dms., works.....lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms.....lb. .82 - 1.25
Cinnamon, Ceylon, No. 2, bls.....lb. .35½- .36
dust, soon.....lb. .34 - .34⅛
Citral, bots., cns.....lb. 2.80 - 6.00
Citronellal, bots., dms.....lb. 2.75 - —
Citronellol, bots., dms.....lb. 2.85 - 4.75
Cloves, Madagascar, bls.....lb. .14½- .15
futures, bls.....lb. .13 - .13⅛
Zanzibar, bls.....lb. .16½- .17
Clover tops, red, dom., bgs.....lb. .65 - .70
imported, bgs.....lb. No stocks.
Coaltar, coal-gas, crude, dms., c.l., works..dm. 9.50 - —
l.c.l., works .....dm 10.00 - —
tanks, works .....gal. .09 - —
refd., bbls., c.l., works.....bbl.10.00 - —
l.c.l., works .....bbl.10.50 - —
tanks, works .....gal. .10 - —
water-gas, crude, dms., c.l., works, gal. .21 - —
l.c.l., works .....gal. .22 - —
tanks, works .....gal. .11 - —
refd., dms., c.l., works.....gal. .22 - —
l.c.l., works .....gal. .23 - —
Cobalt acetate, bbls., kgs., dlvd..lb. .83⅝- —
Carbonate, powd., bgs., works....lb. 1.58 - —
feed, grade, 49½% Co, kgs.....lb. 1.58 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs.....lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 42% Co, kgs.....lb. 2.04 - —
Linoleate, paste, 6% Co, dms...lb. .58¾- —
solid 8½% Co, dms.....lb. .69⅝- —
8% Co, dms.....lb. .62⅝- —
Naphthenate, solid, 6% Co, dms...lb. .35½- —
Nitrate, feed grade, 20.4% Co, bbls, lb. .75⅞- —
Oleate, bbls, ...lb. .44 Nom.
Oxide, black, kgs.....lb. 1.27½- 1.80
Phosphate feed grade, 34% Co, kgs, lb. 1.20½- —
Resinate, precip., 7.5% Co, dms...lb. .38½- —
Soyate, solid, 8.5% Co, dms.....lb. .46½- —
Sulphate, dms.....lb. .65 - —
feed grade, 21% Co, kgs.....lb. 1.60 - —
Cobalt salts, feed grade quotations are f.o.b. Phila., Cleve. or N. Y.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, cns., 100-oz. lots..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .67 - .68
silver, Teneriffe, bgs.....lb. .69 - .70
Cocoa butter, bgs.....lb. 1.30 Nom.
Cocillana bark, bgs.....lb. .45 - .46
Codeine, cns., 100 ozs.....oz.13.25 - —
Hydrochloride, cns., 100 ozs.....oz.11.85 - —
Phosphate, cns., 100 ozs.....oz.10.25 - —
Sulphate, cns., 100 ozs.....oz.10.75 - —

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Bound Brook, New Jersey

Codliver oil (see Oil, codliver).			
Cohosh black, root, bls.	lb.	.22	- .23
Blue, bls.	lb.	.22	- .23
Colchicum seed, bgs.	lb.	4.00	- 4.25
Colchinine, bots., cns.	oz.	No stocks	
Collodion, USP, dms.	lb.	.24	- .29
Flexible, USP, dms.	lb.	.25½	- .30½
Colocynth pulp, bls.	lb.	.50	- .52
Colombo roots, bls.	lb.	.16	- .17
Coltsfoot leaves, bgs.	lb.	.43	- .44
Confurango bark, bgs., futures.	lb.	.25	- .26
Copaiba balsam, cns., dms.	lb.	.67	- .70
Copper acetate, cupric, bbls., works	lb.	.28	- —
smaller containers, works.	lb.	.29	- .30
Carbonate, 52-54%, bbls.	lb.	.24	- .26
Chloride, anhyd., bbls.	lb.	.23½	- —
crystals, bbls.	lb.	.17½	- —
Cyanide, tech., bbls.	lb.	.40½	- —
Hydrate, dms., del. E. Miss.	lb.	.26¾	- .26¾
Metal, electrolytic	lb.	.21½	- —
Naphthenate, liquid, 8% Cu. dms., dlvd.	lb.	.21	- —
solid, 11% Cu. dms., dlvd.	lb.	.27½	- —
Nitrate, tech., cryst., bbls., works,	lb.	.27	- .28
Oleate, solid precip., Cu 10%, bbls.	lb.	.45½	- —
Oxide, black, bbls., works	lb.	.28	- .30
red, com'l, bbls., works	lb.	.30	- .32½
Oxychloride-sulphate, bgs.	lb.	.24	- —
Resinate, precip., 8.5% Cu, dms.	lb.	.21½	- —
Stearate, bgs., works	lb.	.33½	- —
Sulphate, cryst., 99%, bgs., c.l. works.	100 lbs.	7.60	- —
l.c.l.	100 lbs.	7.85	- 8.60
monohydrated, 35%, dms., c.l., dlvd.	100 lbs.	12.55	-12.80
l.c.l., dlvd.	100 lbs.	13.55	- —
tribasic, dealers, bgs., works, c.l.	lb.	.21½	- 22½
l.c.l., works.	lb.	.23	- 23½
Copperas, cryst., gran., bgs., c.l., works.	ton.	17.00	- —
l.c.l., works.	100 lbs.	1.55	- 2.00
bbls., c.l., works.	ton.	20.00	- —
bulk, c.l., works.	ton.	14.00	- —
Copra, c.i.f., Pacific ports.	ton.	276.00	- —
Atlantic or Gulf ports.	ton.	270.00	- —
Coriander seed, Argentine, bgs, futures.	lb.	.10	- .10½
Indian, bgs.	lb.	No stocks	
Moroccan, bgs., futures.	lb.	.09½	- .10
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min.	100 lbs.	6.87	- —
bbls., c.l., same basis.	100 lbs.	6.92	- —
Syrup, 42°, bbls., c.l.	100 lbs.	7.23	- —
l.c.l.	100 lbs.	7.28	- —
Cornsilk, bls.	lb.	.29	- .30
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more.	lb.	1.68	- —
gran., powd., dms., 50 lbs. or more.	lb.	1.53	- —
Cottoncoot bark, bls.	lb.	.40	- .45
Cottonseed hull ash, 32-36% potash, bgs., dlvd.	unit-ton.	1.50	- —
Meal, 41% protein sacked, c.l. mills, S.E.	ton	90.00	-94.00
Coumarin, cns., 25 lbs.	lb.	2.75	- 3.25
smaller lots	lb.	2.90	- 3.30
Cramp bark, NF, bls.	lb.	.80	- .85
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one shipt.	lb.	.38½	- —
bbls., kgs., smaller lots.	lb.	.39	- .39½
Creosote, beechwood, bots., cbys.	lb.	1.05	- 1.10
Coaltar (see Cresol).			
Hardwood, N. F., bots., cbys.	lb.	.80	- .85
Pinewood, dms.	gal.	.31	- .32
Carbonate, bots., cbys.	lb.	2.30	- 2.40
Oil, coaltar, crude, tanks, works.	gal.	17½	- 19½
refined, dms., c.l., works.	gal.	.30	- .30½
l.c.l., same basis.	gal.	.33	- .37
tanks, same basis.	gal.	.22	- .25
solution, 80%, tanks, works.	gal.	.16	- .18
Cresol, tech., dms., c.l., works, frt. equald.	lb.	.14¾	- .15½
l.c.l., same basis.	lb.	.15½	- .15¾
tanks, same basis.	lb.	.14	- .14½
USP, dms., c.l., same basis.	lb.	.14¾	- .15¼
l.c.l., same basis.	lb.	.15¼	- .15¾
tanks, same basis.	lb.	.14	- .14½
Crotonaldehyde, 91-93% dms., 55 and 110 gals., l.c.l., works.	lb.	.16½	- .17
5 and 10-gals., l.c.l., works.	lb.	.22	- —
Cryolite, nat., dealers, bgs., bbls., c.l., works.	100 lbs.	12.75	- —
bbls., l.c.l., works.	100 lbs.	14.00	- —
Cube root, 5% rotenone, bbls., works.	lb.	.48	- —
4% rotenone, bbls., works.	lb.	.38	- —
Cubeb berries, XX, bgs.	lb.	.75	- .80
powd., cs.	lb.	1.00	- 1.05
Culvers root, bbls.	lb.	.44	- .45
Cumin seed, Cyprian, bgs.	lb.	No stocks	
Indian, bgs, futures.	lb.	.40	- .41
Moroccan, bgs.	lb.	No stocks	
Persian, bgs.	lb.	.24	- .24½
Syrian, bgs.	lb.	.24	- .24½
Cutch, 65% tannin, bgs., ex dock.	lb.	.12	- —
Cyanamide, fertilizer mixing grades, 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk.	unit-ton.	2.35	- —
pulv., 21% N., bgs., same basis.	unit-ton.	2.25	- —
Cyclohexane, tech., dms., c.l., works.	lb.	.09½	- —
l.c.l., works.	lb.	.10	- —
tanks, works.	lb.	.08	- —
Cyclohexanol, tech., dms., c.l., works.	lb.	.21½	- —
l.c.l., works	lb.	.22	- —
tanks, works	lb.	.20	- —
Cyclohexanone, tech., dms., c.l., works.	lb.	.26½	- .30
l.c.l., works.	lb.	.27	- .31
tanks, works.	lb.	.25	- .29
Cyclohexylamine, dms., works.	lb.	.32	- —
Cyclopropane, USP, cyls., dlvd.	gal.	.27	- —

D

Damiana leaves, bls.	lb.	.85	- .90
Dandelion root, bls.	lb.	.07	- —
DDT, fiber, dms., c.l., works.	lb.	.37½	- —
ton lots, works.	lb.	.40	- —
tins, smaller lots, works.	lb.	.45	- .47
Decanol, normal, tech., dms., dlvd.	lb.	.35	- —
Deertongue leaves, bls.	lb.	.35	- .40
Defluorinated phosphate, 65% b.p.l., paper bgs., Columbus, Ga.	ton.	39.25	- —
Texarkana, Ark.	ton.	41.00	- —
Tupelo, Miss.	ton.	39.25	- —
Wales, Tenn.	ton.	39.25	- —
Rock, paper bgs., works.	ton.	34.25	- —
Degras, common, bbls.	lb.	.10	- .12
Neutral, less 2% ffa., bbls.	lb.	.20	- .21
over 2% ffa., bbls.	lb.	.19	- .20
Derris root (see Cube root).			
Dextrin, British gum, bgs., c.l.	100 lbs.	8.55	- —
Chicago	100 lbs.	8.10	- —
l.c.l.	100 lbs.	8.70	- —
Corn, Canary, bgs., c.l.	100 lbs.	8.29	- —
Chicago	100 lbs.	7.84	- —
l.c.l.	100 lbs.	8.44	- —
dark, bgs., c.l.	100 lbs.	8.39	- —
Chicago	100 lbs.	7.94	- —
l.c.l.	100 lbs.	8.54	- —
white, bgs., c.l.	100 lbs.	8.14	- —
Chicago	100 lbs	7.69	- —
l.c.l.	100 lbs	8.29	- —
Above prices are for dextrin in paper bgs; cotton bgs., 17c. higher.			
Potato, dom., bgs.	lb.	.15	- .16

Diacetone (see Alcohol, diacetone).			
Diacetyl, flavor grade, bots.	lb.	5.20	- 5.55
laboratory grade, bots.	100 grams.	4.50	- —
tech., bots., works.	lb.	8.00	- —
Diamyl ether (see Ether, amyl).			
Phthalate, dms., tanks.	lb.	No prices	
Diamylamine, dms., c.l., works.	lb.	1.47	- —
l.c.l., works	lb.	1.50	- —
Dianisidin, dms.	lb.	1.54	- —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast.	ton.	50.00	-52.00
California	ton.	38.00	-40.00
l.c.l., ex whse.	ton.	80.00	- —
purified, bgs., c.l., Atlantic coast.	ton.	62.00	- —
California	ton.	50.00	- —
l.c.l., ex whse.	ton.	90.00	- —
Imported, Algerian, bgs., c.l., Atlantic coast.	ton.	No prices	
Mexican, white, bgs., c.l., Atlantic coast.	lb.	.03	- —
l.c.l., Atlantic coast.	lb.	.06	- —
Dibutyl phthalate, dms., c.l.	lb.	.33¼	- .36
l.c.l.	lb.	.34	- .36½
tanks	lb.	.32	- .34½
Sebacate, dms., c.l., works.	lb.	.78¾	- —
l.c.l., works	lb.	.79¼	- —
tanks, works	lb.	.77¾	- —
Tartrate, dms., wks., frt. alld.	lb.	.92	- 1.02
Dibutylamine, dms., c.l., works.	lb.	.52½	- —
l.c.l., works.	lb.	.53½	- —
tanks, works.	lb.	.50	- —
Dichloroanilin, dms., works.	lb.	.65	- —
Dichlorodiphenyldichloroethane, fib. dms., c.l., works.	lb.	.42½	- —
ton lots, works.	lb.	.45	- —
tins, small lots, works.	lb.	.48	- .50
Dichlorodiphenyltrichloroethane (see DDT).			

Dichloroethyl ether (see Ether, dichloroethyl).			
Dichlorophenol, dms., frt. equald.	lb.	.26	- —
Dicyclohexylamine, dms., works.	lb.	.38	- —
Dicyclohexylphthalate, fib. dms., c.l., works.	lb.	.42½	- —
l.c.l., same basis.	lb.	.43	- —
Diethanolamine, dms., c.l., frt. alld. E.	lb.	.25	- —
l.c.l., same basis.	lb.	.26	- —
smaller containers, same basis.	lb.	.29	- —
tanks, same basis.	lb.	.23½	- —
Diethyl carbonate, dms., l.c.l.	lb.	.40	- —
Oxalate, dms., c.l.	lb.	.35½	- —
l.c.l.	lb.	.36½	- —
tanks	lb.	.34	- —
Phthalate, dms., c.l., dlvd.	lb.	.31½	- .32¾
dms., l.c.l., dlvd.	lb.	.32	- .33½
tanks, dlvd.	lb.	.30	- .31½
Sulphate, dms., c.l., works.	lb.	.14	- —
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Diethylamine, dms., c.l., works.	lb.	.69	- —
l.c.l., works	lb.	.71	- —
tanks, works	lb.	.65	- —
Diethylaminoethanol, dms., l.c.l., works frt. alld. E. of Miss.	lb.	.75	- —
Diethylanilin dms.	lb.	.48	- —
Diethyleneglycol, dms., c.l., frt. alld. E.	lb.	.15	- —
l.c.l., same basis.	lb.	.16	- —
tanks same basis.	lb.	.13½	- —
Diethylether, dms., works.	lb.	.40	- —
Monobutylether, dms., c.l., works,	lb.	.22	- —
l.c.l., works	lb.	.23	- —
tanks, works	lb.	.21	- —

Codliver Oil—Dillseed

Diethyleneglycol monobutylether acetate, dms., c.l., works.	lb.	.27½	- —
l.c.l., works.	lb.	.28¼	- —
tanks, works	lb.	.28¼	- —
Monoethylether, dms., c.l., works.	lb.	.17	- —
l.c.l., works	lb.	.18	- —
tanks, works	lb.	.16	- —
Monoethylether acetate, dms., c.l., works.	lb.	.25½	- —
l.c.l., works	lb.	.26½	- —
Monomethylether, dms., c.l., works.	lb.	.21½	- —
l.c.l.	lb.	.22½	- —
tanks	lb.	.20½	- —
Monomethylether acetate, dms., c.l., works.	lb.	.21½	- —
l.c.l., works	lb.	.22½	- —
Diethylenetriamine, tanks, works.	lb.	.50	- —
Diethylstilbestrol, bots.	kilo.	325.00	-330.00
Digitalin, cryst., bots.	gram.	18.00	-19.00
powd., bots.	gram.	1.25	- 1.75
Digitalis leaves, dms.	lb.	1.05	- 1.15
Diglycol laurate, dms.	lb.	.33	- —
Oleate, light, bbls., c.l.	lb.	.33	- —
Stearate, bbls., c.l.	lb.	.40	- —
Dihydroxydichlorodiphenylmethane, dms.	lb.	.95	- 1.00
smaller containers	lb.	1.05	- 1.40
Di-isobutyl ketone, dms., works.	lb.	.19	- —
Di-isobutylene, dms., c.l., works.	lb.	.07	- —
l.c.l., works	lb.	.07½	- —
tanks, works	lb.	.05½	- —
Dillseed, decorticated, bgs.	lb.	.16	Nom.
dewhiskered, bgs.	lb.	.12½	- .13

Quality you can depend on...

CYANAMID'S AERO* BRAND PRUSSIATES

YELLOW PRUSSIATE OF SODA
(Sodium Ferrocyanide)

YELLOW PRUSSIATE OF POTASH
(Potassium Ferrocyanide)

Both over 99% pure. Dissolve readily in hot or cold water. Favorites in the dry color industry for the production of Iron Blue and Chrome Green pigments for high-quality paints, lacquers, enamels, printing inks, floor coverings, typewriter ribbons, carbon papers and crayons. Also used in printing aniline blacks on cottons and rayons, coating of speed blueprint papers, removing metallic impurities from organic acids and certain electrolytes.

REDSOL CRYSTALS**
(Potassium Sodium Ferricyanide)

Fast-dissolving red crystals completely soluble in water at room temperature. Used by over 90% of all blueprint coaters in preference to Red Prussiate of Potash. REDSOL CRYSTALS cost less per pound, yet contain over 3% more active Ferricyanides. Also widely used in the photographic industry as a reducer and toner . . . in the production of synthetic rubber . . . and wherever a mild oxidizing agent is required.

RED PRUSSIATE OF POTASH
(Potassium Ferricyanide)

For coating blueprint paper, developing colored film, metal etching. Widely used as bleach and toner in the photographic industry, and for many applications requiring mild oxidizing properties.

REDSOL B SOLUTION
(Sodium Ferricyanide in Solution)

Principal uses include color photography, coating of speed blueprint paper, and numerous industrial applications. The most economical Ferricyanide available for industrial use. Applicable wherever a mild Ferricyanide is required and the presence of a small quantity of Sodium Chloride is not objectionable.

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*For low-cost chemical equivalent of distilled H_2O ...FILT-R-STIL** Demineralizing Units.*

*Trade-mark
**Reg. U. S. Pat. Off.

Dimethyl Phthalate—Ethylcellulose

Dimethyl phthalate, dms., c.l., dlvd. lb. .24¾- —
l.c.l., dlvd. lb. .25½- —
tanks, dlvd. lb. .23½- —
Sebacate, dms., c.l., works lb. .91 - —
l.c.l., works lb. .91½- —
tanks, works lb. .90 - —
Sulphate, ret. 55-gal. dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
ret. 10-gal. dms., works lb. .16½- —
Dimethylamine, anhyd., cyl., works, basis 100% lb. .38½- .48½
25%-40%, dms., c.l., works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .38½- —
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .21 - .24¼
l.c.l. lb. .22 - —
Dinitroanilin, dms., frt. equald. lb. .50 - —
Dinitrobenzene, bbls. lb. .16 - —
Dinitrochlorobenzene, dms. lb. .14 - .15½
Dinitronaphthalene, kgs. lb. .35 - .38
Dinitrophenol, bbls. lb. .22 - —
Dinitrotoluene, oily, dms. lb. .07 - .07¾
refd., dms. lb. .18 - —
Dinonylnaphthalene, tanks, works. lb. .15 - —
Diorthotolylguanidin, dms., ton lots, dlvd. lb. .44 - —
smaller lots, dlvd. lb. .46 - .47
Dioxan, dms., c.l., frt. alld. lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .19 - —
Dip oil (see Tar acid oil).

Dipentene, dest.-dist., dms., incl., c.l., works, South. gal. .45 - —
l.c.l., same basis gal. .46 - —
N. Y. whse. gal. .60 - —
steam-dist., dms., c.l., whse, NYC. lb. .59 - —
l.c.l., same basis lb. .62 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns. lb. .48 - .61
dms. lb. .45 - .56
Diphenylamine, bbls. lb. .25 - —
Diphenylguanidin, dms., ton lots. lb. .35 - —
smaller lots lb. .36 - .37
Divi-divi, 38% tannin, bgs., bls., c.l., U.S. ports, ex dock. ton 60.00 -62.00
Doggrass root, dom., cut, bls. lb. .27 - .28
imp., N.F., cut bls. lb. .30 - .31
Dogwood, Jamaica, bark, bls. lb. .12 - .14
Dragon's blood, drops, cs. lb. .45 - .47
mass, cs. lb. 1.50 - 1.55
reeds, cs. No stocks

Dyes, coaltar, certified colors for foods, drugs and cosmetics, 1-lb. lots:—
Blue, FD&C, No. 1, cns. lb. 14.85 - —
No. 2, cns. lb. 14.85 - —
Green, FD&C, No. 1, cns. lb. 14.85 - —
No. 2, cns. lb. 19.25 - —
No. 3, cns. lb. 30.25 - —
Orange, FD&C, No. 1, cns. lb. 3.20 - —
No. 2, cns. lb. 4.00 - —
Red, FD&C, No. 1, cns. lb. 6.60 - —
No. 2, cns. lb. 3.45 - —
No. 3, cns. lb. 19.25 - —
No. 4, cns. lb. 6.35 - —
No. 32, cns. lb. 4.55 - —

Dyes, coaltar, certified colors for foods, drugs and cosmetics, 1-lb. lots:—
Yellow, FD&C, No. 1, cns. lb. 9.35 - —
No. 3, cns. lb. 2.90 - —
No. 4, cns. lb. 2.90 - —
No. 5, cns. lb. 3.45 - —
No. 6, cns. lb. 3.45 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns. lb. 9.15 - —
Blue, D&C, No. 4, cns. lb. 13.55 - —
Brown, D&C, No. 1, cns. lb. 13.55 - —
Green, D&C, No. 5, cns. lb. 13.55 - —
No. 6, cns. lb. 13.55 - —
Orange, D&C, No. 3, cns. lb. 9.15 - —
No. 4, cns. lb. 16.85 - —
No. 5, cns. lb. 4.75 - —
No. 10, cns. lb. 17.40 - —
Red, D&C, No. 8, cns. lb. 3.10 - —
No. 9, cns. lb. 3.10 - —
No. 10, cns. lb. 3.50 - —
No. 11, cns. lb. 1.85 - —
No. 12, cns. lb. 2.50 - —
No. 17, cns. lb. 9.15 - —
No. 18, cns. lb. 20.15 - —
No. 19, cns. lb. 16.85 - —
No. 21, cns. lb. 3.95 - —
No. 22, cns. lb. 9.15 - —
No. 28, cns. lb. 20.70 - —
No. 33, cns. lb. 14.65 - —
Violet, D&C, No. 1, cns. lb. 13.55 - —
No. 2, cns. lb. 13.55 - —
Yellow, D&C, No. 7, cns. lb. 9.15 - —
No. 8, cns. lb. 9.15 - —
No. 10, cns. lb. 11.35 - —
No. 11, cns. lb. 11.35 - —
No. 19, cns. lb. 16.85 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb. 14.65 - —
No. 37, cns. lb. 13.55 - —

Dyes, coaltar, certified colors for external use drugs and cosmetics, 1-lb. lots:—
Blue, Ext. D&C, No. 1, cns. lb. 13.55 - —
Green, Ext. D&C, No. 1, cns. lb. 13.55 - —
Red, Ext. D&C, No. 1, cns. lb. 11.35 - —
No. 3, cns. lb. 24.00 - —
Yellow, Ext. D&C, No. 1, cns. lb. 9.15 - —

Dyes, oil-soluble, 100-lb. dms., sellers' works or warehouse.
Black, blue, No. 550 lb. .61 - —
Jet, No. 551 lb. .66 - —
Brown, R, conc. lb. 1.04 - —
Orange R, brilliant lb. .67 - —
Red, 4 B, conc. lb. 1.03 - —
Yellow, C lb. .88 - —
FN, conc. lb. .91 - —

Dyes, spirit-soluble, same basis
Auramine, O lb. 1.54 - —
Black, basic, blue lb. .91 - —
Jet lb. .91 - —
Blue, methylene, 2 B, conc. lb. 1.21 - —
Brown, Bismarck, R, conc. lb. .61 - —
Chrysodine, R, extra lb. .41½- —
Y, extra lb. .48 - —
Fuchsine, conc. lb. 2.63 - —
Green, Malachite, conc. lb. 1.04 - —
Rhodamine, B lb. 4.37 - —
Safranine, Y, conc. lb. 2.19 - —
Violet, methyl, B. lb. .87 - —

Dyes, water-soluble, same basis.
Black, acid blue, B, extra lb. .61 - —
Orange, acid, Y, conc. lb. .56 - —
Rhodamine, azo-, R, extra, conc. lb. .79 - —
Scarlet, croceine, MOO lb. 1.12 - —
Yellow, azo-, conc. lb. .81 - —
Fast light, 3 G, extra lb. 1.69 - —
Methanil, conc. lb. .70 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

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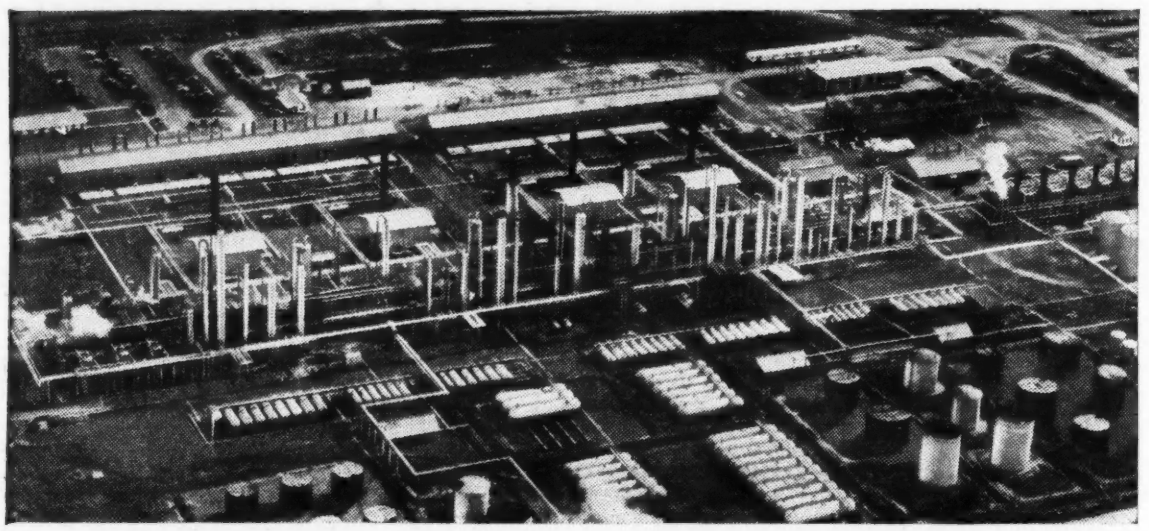

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Celanese* Chemicals

*Reg. U. S. Pat. Off.

ALDEHYDES • ALCOHOLS • ACIDS • SOLVENTS • GLYCOLS • KETONES • PLASTICIZERS

E

Echinacea root, bls. lb. .65 - .70
Egg albumen (see Albumen).
Yolk, dried, dom., bbls. lb. 1.20 - 1.25
tanners, bbls. lb. .05½- .07
Elder flowers, bright, bls. lb. .65 - .66
Elecampane root, bls. lb. .35 - .40
Elm bark, grinding, bls. lb. .35 - .36
powd., bbls., bxs. lb. .45 - .50
select, bndls. lb. .55 - .56
Emetine hydrochloride, bots. oz. 53.50 -54.00
Ephedra herb, bls. lb. .20 - .21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs. oz. .84 - —
hydrous, bots., 100 ozs. oz. .76 - —
Hydrochloride, tin, 100 ozs. oz. .69 - —
Sulphate, cryst., tins, 100 ozs. oz. .57 - —
powd., tins, 100 ozs. oz. .58 - —
Epichlorohydrin, dms., c.l., works, lb. .46 - —
l.c.l., works lb. .46½- —
tanks, works lb. .44½- —
Epinephrine, synth., USP, bots. gram .60 - .70
Epsom salt, tech., cryst., bgs., c.l., 100 lbs. 2.05 - —
l.c.l. 100 lbs. 2.40 - 2.65
USP, cryst., bgs., c.l. 100 lbs. 2.25 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 2.50 - —
smaller lots 100 lbs. 2.75 - —
bbls., c.l. 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 2.60 - —
smaller lots 100 lbs. 2.85 - —
kgs., c.l. 100 lbs. 2.60 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 2.85 - —
smaller lots 100 lbs. 3.10 - —

Epsom salt prices freight equalized: Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Midland, Mich.

Ergot, USP, cns. lb. 1.25 - 1.30
Eserine, bots. oz. No prices
Sulphate, bots. oz. 60.00 -61.00
Ether, acetic (see Ethyl acetate).
Amyl, dms., c.l., works lb. .695 - —
l.c.l., works lb. .702 - —
tanks, works lb. .685 - —
Butyl, dms., l.c.l., dlvd. lb. .31 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works, frt. equald. lb. .13½- —
l.c.l., same basis lb. .14 - —
tanks, same basis lb. .12½- —
Ethyl (see Ether, sulphuric).
Isopropyl, dms., c.l., dlvd. lb. .66 - —
l.c.l., dlvd. lb. .66½- —
tanks, dlvd. lb. .64½- —
Nitrous, conc., bots., 100 lbs. lb. .98 - 1.10
Sulphuric, conc., dms. lb. .18 - .23
USP, anesthesia, hospital, cns. lb. .67 - .75
synthetic, dms., c.l., frt. alld. lb. .18 - —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .19½- —
l.c.l., frt. alld. lb. .20½- —
tanks, frt. alld. lb. .18 - —
95-98%, dms., c.l., frt. alld. lb. .20 - —
l.c.l., frt. alld. lb. .21 - —
tanks, frt. alld. lb. .18½- —
98%, dms., c.l., frt. alld. lb. .20½- —
l.c.l., frt. alld. lb. .21½- —
tanks, frt. alld. lb. .18½- —
NF, dms. lb. .30 - —
synthetic, 85-90%, dms., c.l., frt. alld. lb. .13½- —
l.c.l., frt. alld. lb. .14 - —
tanks, frt. alld. lb. .12 - —
95-98%, dms., c.l., frt. alld. lb. .13½- —
l.c.l., frt. alld. lb. .14½- —
tanks, frt. alld. lb. .12½- —
Acetoacetate, dms., c.l., works. lb. .55½- —
l.c.l., frt. alld. lb. .56½- —
Benzoate, bots. lb. .60½- .66
Betaethoxypropionate, dms., works, lb. .70 - —
Bromide, tech., 98%, dms. lb. .36 - .40
Butyrate, bots. gal. 5.50 - —
cns., works lb. .65 - .70
dms., works lb. .60 - —
Carbamate, dms., dlvd. E. lb. .58 - —
Chloride, tech., tanks lb. .13½- —
USP, bbls., cyl. lb. .20 - .22
Cinnamate, cns. lb. 2.30 - 2.35
Formate, dms. lb. No stocks
Iodide, bots. lb. 3.50 - 3.60
Lactate, dms., works lb. .38½- —
Methcrylate, M-2, dms., works. lb. .60 - —
cns., works lb. .63 - .67
P-2, cns., works lb. .65 - —
Mycistate, dms., works lb. No prices
Oenanthate, dms. lb. 2.60 - 2.25
Oleate, dms., l.c.l., works lb. .75 - —
Oxalate, dms., frt. alld. lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., works, lb. .50 - —
Ethylalphanaphthylamine, bbls. lb. .75 - —
Ethylanilin, dms. lb. .60 - —
Ethylcellulose fib. dms., 5,000 lbs., works. lb. .52 - —
smaller lots, works lb. .54 - .62

Ethyldiethanolamine, dms., l.c.l., works lb. .80 - —
Ethylene dichloride, dms., c.l., works. frt. alld. E. of Rockies..lb. .08½- —
West of Rockies.....lb. .09 - —
l.c.l., works, frt. alld. E. of Rockies..lb. .06½- —
West of Rockies.....lb. .10 - —
smaller containers.....lb. .12½- —
tanks, frt. alld. E. Rockies....lb. .07 - —
West of Rockies.....lb. .07½- —
Oxide, dms. c.l., works.....lb. .20 - —
l.c.l., works .....lb. .21 - —
tanks, works .....lb. .15 - —
Trichloride (see Trichloroethane).
Ethylenediamine, tanks, works....lb. .50 - —
Ethyleneglycol, dms., c.l., frt. alld. E..lb. .13½- —
l.c.l., same basis.....lb. .14½- —
tanks, same basis.....lb. .12 - —
Monobutylether, dms., c.l., works.lb. .21 - —
l.c.l., works .....lb. .22 - —
tanks, works .....lb. .20 - —
Monoethylether, dms., c.l., works.lb. .17 - —
l.c.l., works .....lb. .18 - —
tanks, works .....lb. .16 - —
Monoethylether acetate, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Monomethylether, dms., c.l., works.. lb. .18 - —
l.c.l., works .....lb. .19 - —
tanks, works .....lb. .17 - —
Monomethylether acetate, dms., c.l., works..lb. .21 - —
l.c.l., works .....lb. .24 - —
tanks .....lb. .22 - —
Ethylethanolamines, mixed, dms., c.l., works..lb. .27 - —
l.c.l., works.....lb. .30 - —
Ethylmorpholine, anhydrous, l.c.l., tanks, works...lb. .80 - —
Ethylmorphine, hydrochloride, bots.oz.11.85 - —
Ethylorthotoluidine, bols. .....lb. .80 - —
Ethylvanillin, cns., 5 lbs. or more..lb. 6.75 - —
smaller lots .....lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms.....lb. 2.25 - 4.00
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, prime USP XII.....lb. 2.35 - 3.25
Euphorbia herb, bls. .....lb. .18 - .19

F

Feldspar, enamel, 100 mesh bgs., works. ton.17.00 -20.50
bulk, c.l., works.....ton.14.00 -17.50
Glass, 50 mesh, bgs., tons, works. ton.12.75 -16.25
bulk, c.l.....ton. 9.75 -12.25
Pottery, bgs., l.c.l., 2 tons, works.ton.20.00 -22.00
bulk, c.l., works.....ton.17.00 -19.00
Fennel seed, Argentine, bgs., futures, lb. .07 - .07½
Indian, bgs., afloat.....lb. .15 - .15½
Fenugreek, domestic, bgs.....lb. .10 - .10½
Indian, bgs. .....lb. .09½- .10
futures, bgs.....lb. .09¼- .09¾
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works....lb. .14½- —
water-white, cs., works.....lb. .15½- —
Fir balsam, Canada, cns.....gal.24.00 -28.00
Oregon, bbls. .....gal. 2.45 - 2.65
Fishberries, bgs. .....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal, grd., 60% protein, bgs., Balto. area..ton.150.00 - —
65% protein, bgs., Balto. area..ton.160.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area..ton.135.00 - —
Flaxseed, black, bgs.....lb. .45 - .46
blonde, bgs. .....lb. .26 - .27
Husks, bgs. .....lb. .66 - .67
Fluorspar, No. 1, ground 95-98% CaF_2, bulk, c.l., mines..net ton.37.00 - —
washed gravel, 70% or more, CaF_2, bulk, c.l., mines..ton.33.00 - —
65%, bulk, c.l., mines.....ton.32.00 - —
60%, bulk, c.l., mines.....ton.31.00 - —
less than 60%, bulk, c.l., mines.. ton.30.00 - —
Formaldehyde, bbls., c.l., works...lb. .0645- .0605
l.c.l., works .....lb. .0695- .0745
dms., extra, c.l., works.....lb. .0545- .0595
l.c.l., works .....lb. .0595- .0645
tanks, works .....lb. .0370- .0420
tanktrucks, dlvd. N.Y.C. .....lb. .0395- .0445
Fringetree bark, bls.....lb. .65 - .66
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton.30.00 - —
Tex. mines .....ton.27.00 - —
spent, bulk, Bayonne.....ton. 2.00 - 4.00
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, tech., dms., c.l., works.lb. .13 - —
dms., cns., l.c.l., works.....lb. .15½- .20⅛
tanks, works .....lb. .09½- —
Fusel oil, refined, dms., c.l.....lb. .29½- —
l.c.l. .....lb. .30½- —
tanks .....lb. .28 - —
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .41 - —
No. 1A, bbls., l.c.l. .....lb. .40 - —
No. 2, bbls., l.c.l. .....lb. .39 - —
No. 3, bbls., l.c.l. .....lb. .37 - —
liquid, No. 0, bbls., l.c.l.....lb. .21½- —
No. 1, bbls., l.c.l. .....lb. .20 - —
No. 2, bbls., l.c.l. .....lb. .19 - —
No. 3, bbls., l.c.l. .....lb. .16½- —
solid, No. 1, bxs, l.c.l. .....lb. .27 - —

G

G salt, bbls.....lb. .55 - —
Galangal root, bls.....lb. .25 - .26
Gambier, plantation, bgs., ex dock..lb. .21 - .23
Extract, bbls.....lb. No stocks
Gammapicoline, 95%, dms., c.l., works. lb. 1.35 - —
Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks.. gal. .0925- —
Bayonne, 74 octane, tanks....gal. .093 - —
Gulf coast, 73-75 octane, tanks. gal. .0875- .093
Group 3, 73-75 octane, tanks.gal. .09 - .0925
Pennsylvania, western, U. S. motor, 74 octane, leaded tanks, gal. .0975- .103
natural, 26-70, octane group 3, tanks..gal. .06875- —
Gelatin, silver label, cns., dlvd....lb. 1.25 - —
export, cs.....lb. 1.35 - —
Gelatin price 3c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., Wyo.
Gelsemium root, bls.....lb. .35 - .40
Gentian root, bls.....lb. .16 - .17
grd., bbls., bxs.....lb. .21 - .22
powd., bbls., bxs.....lb. .19 - .20
Geraniol, 92-96%, cns., dms.....lb. 3.40 - —
prime .....lb. 2.75 - —
Geranyl acetate, cns.....lb. 3.25 - 3.85
Ginger, oleoresin, bots.....lb. 4.25 - 4.75
Root, African, No. 1, bls.....lb. .13¾- .14¼
Cochin, bleached, bgs.....lb. .16 - .16⅞
unbleached, bgs.....lb. .16 - .17
Jamaica, No. 1, bgs.....lb. .20 Nom.
No. 2, new crop, bgs., futures.lb. .16½- .17
No. 3, new crop, bgs., futures.lb. .16 - .15⅞
Rhattoon, bgs.....lb. .14¾- .15¼
Glauber's salt, anhyd. (see Soda sulphate).
cryst., bgs., works.....100 lbs. 1.25 - 1.75
l.c.l., bgs., works.....100 lbs. 1.75 - 2.10

Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest..lb. .21 - .24
36/56, bgs., c.l., same basis....lb. .22 - .26
58/82, bgs., c.l., same basis....lb. .23 - .26
82/108, bgs., c.l., same basis...lb. .25 - .27
Bone glue, l.c.l. prices, 1c. higher than c.l.
Hide, 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .20 - .25½
122-149, bgs., c.l., dlvd.....lb. .21 - .25½
150-177, bgs., c.l., dlvd.....lb. .22 - .27
178-206, bgs., c.l., dlvd.....lb. .23 - .28
207-236, bgs., c.l., dlvd.....lb. .24 - .29
237-266, bgs., c.l., dlvd.....lb. .25 - .30
267-298, bgs., c.l., dlvd.....lb. .26 - .31
299-330, bgs., c.l., dlvd.....lb. .27 - .32
331-362, bgs., c.l., dlvd.....lb. .28 - .33
363-394, bgs., c.l., dlvd.....lb. .29 - .34
395-427, bgs., c.l., dlvd.....lb. .30 - .35
428-460, bgs., c.l., dlvd.....lb. .31 - .36
461-494, bgs., c.l., dlvd.....lb. .32 - .37
495-529, bgs., c.l., dlvd.....lb. .33 - .38
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. more than bgs.

Glycerin, crude, saponification, 88% to refiners, tanks, dlvd..lb. .34 Nom.
soaplye, 80%, tanks, dlvd.....lb. .33 Nom.
dynamite, dms., c.l., dlvd.....lb. .39½- .45¼
l.c.l., dlvd.....lb. .40 - .45¾
tanks, dlvd.....lb. .39¼- .45
high gravity, dms., c.l.....lb. .39½- .45¼
l.c.l. .....lb. .40 - .45¾
tanks .....lb. .39¼- .45
refined, BP, 98%, dms., c.l.....lb. .39¾- .45½
tanks .....lb. .39½- .46¼
USP, 95%, dms., c.l.....lb. .39½- .45¼
l.c.l. .....lb. .40 - .45¾
tanks .....lb. .39¼- .45
yellow, distilled, dms., c.l.....lb. .39¾- .45¼
l.c.l. .....lb. .39⅞- .45⅝

Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms. .....lb. .26 - —
Gold chloride, acid-brown, bots....oz.20.00 -20.50
acid-yellow, bots. .....oz.18.75 -19.00
Gold of pleasure seed, bgs., futures. lb. .30 - .31
Goldenseal root, bls.....lb. 7.25 - 7.50
powd., bxs. .....lb. 7.75 - 7.80
Gold-sodium chloride, photo, bots..oz.13.00 -13.50
USP IX, bots.....oz.14.00 -14.50
Grains of paradise, bgs.....lb. .40 - .42
Graphite, imported, amorph., powd., bgs., dlvd..lb. .04 - .06
crystalline, 88-90%, powd., bgs., ex whse..lb. .14 - .16
90-92%, powd., bgs., ex whse lb. .16 - .19
97%, powd., bgs., ex whse....lb. .22 - .25
flake, No. 1, 90-95%, bgs., ctns., ex whse..lb. .21 - .22
No. 2, bgs., ex whse.....lb. .22 - .24
Grease, house, loose.....lb. .25 Nom.
White, choice, loose.....lb. .27 - —
Wool (see Degras and Lanolin).
Yellow, loose.....lb. .25½- —
Green, brilliant, thioflavin, toner, molybdic, kgs., works..lb. 4.25 - 4.50
Tungstic, kgs., works.....lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .32 - —
6-10%, bbls., same basis..lb. .33 - —
11-15%, bbls., same basis..lb. .34 - —
16-20%, bbls., same basis..lb. .34½- —

Ethyldiethanolamine—Green, Chrome

21-25%, bbls., same basis..lb. .35½- —
26-30%, bbls., same basis..lb. .35½- —
31-35%, bbls., same basis..lb. .35½- —
36-40%, bbls., same basis..lb. .38½- —
41-45%, bbls., same basis..lb. .40 - —
46-50%, bbls., same basis..lb. .41¾- —
50% and over, bbls., same basis..lb. .42¾- —
reduced color, 5%, bbls., same basis..lb. .10 - —
6-10%, bbls., same basis..lb. .10¾- —
11-13½, bbls., same basis..lb. .11¼- —
14-16%, bbls., same basis..lb. .12 - —
17-19%, bbls., same basis..lb. .12¼- —
20-21%, bbls., same basis..lb. .12½- —
22-23%, bbls., same basis..lb. .12¾- —
24-25%, bbls., same basis..lb. .13 - —
26-27%, bbls., same basis..lb. .13½- —
28-29%, bbls., same basis..lb. .14 - —
30-31%, bbls., same basis..lb. .15 - —
32-33%, bbls., same basis..lb. .16¼- —
34-35%, bbls., same basis..lb. .17¼- —
36-40%, bbls., same basis..lb. .20 - —
41-45%, bbls., same basis..lb. .22½- —
46-50%, bbls., same basis..lb. .23¾- —
51-55%, bbls., same basis..lb. .23½- —
56-60%, bbls., same basis..lb. .24 - —
61-65%, bbls., same basis..lb. .25 - —
66-70%, bbls., same basis..lb. .26¼- —

Chrome green prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Now! ...Lowest Price Ever on High Purity SORBITOL

Polyalcohol for Conditioning, for Synthesis

Since 1935, when Atlas first offered sorbitol, its price trend has been generally DOWNWARD. Today, the price of high purity sorbitol is lowest in its history. In the face of an upswing in prices of other polyols and raw materials, the price of sorbitol has actually DECREASED!

CHECK SORBITOL ADVANTAGES . . . .

—As a Conditioner and Humectant in

COSMETICS — GELATIN — GASKETS
FLEXIBLE GLUES — CHEWING GUM — POLISHES
LEATHER — CANDY — YEAST
PAPER — TOBACCO — SOFT DRINKS
PHARMACEUTICALS — PRINTERS' ROLLERS

—As a Manufacturing Ingredient in

DRYING OILS — ESTERS
HARD RESINS — ETHERS
ALKYDS — PLASTICIZERS

The Atlas technical staff is especially qualified to discuss sorbitol applications with you. Bring your problems to us.

ATLAS INDUSTRIAL CHEMICALS DEPARTMENT
CHEMICALS ATLAS EXPLOSIVES
ATLAS POWDER COMPANY, Wilmington 99, Del. • Offices in principal cities • Cable Address—Atpowco

Green, Chromium Oxide—Iron Resinate

Green, chromium, oxide, hydrated, bbls., works..lb. .85 - —
pure, bgs., works.....lb. .30 - .33
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
Tungstic, obls., works.....lb 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works, lb. 4.40 - 5.60
Tungstated, brilliant, kgs.....lb. 3.00 - 4.00
Emerald, kgs. .....lb. 2.00 - —
Verdigris (see V).
Dyes (see Dyes, coaltar).
Grindelia robusta herb, bls.....lb. .30 - .35
Guaiac resin, cs.....lb. .48 - .49
Wood, bls .....lb. .35 - .36
Guaiacol, cryst., NF, tins.....lb. 1.75 - —
liquid, NF, bots., cbys.....lb. 1.80 - —
Carbonate, NF, dms.....lb. 2.85 - —
Guarana, powd., cs. .....lb 2.00 - 2.10
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs.....lb. .14½- .15
white, sorts, 1, bgs.....lb. .28 - .29
powdered, USP, bbls. .....lb .20½- .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs. .....lb. .50 - .55
Camphor (see C).
Copal, Congo, No. 1, bgs.....lb. .26 - .28
No. 2, bgs.....lb. .22 - .24
No. 3, bgs.....lb. .20 - .22
Macassar DBB, bgs. .....lb. .24 - .25
MA, bgs. .....lb. .24 - .25
lobi C, bgs.....lb. .27½- .29
Philippine, 1st quality, bgs.....lb. .27 - .30
2nd quality, bgs.....lb. .25 - .27
3rd quality, bgs.....lb. .20 - .23
Gum, dammar, Batavia, AE, cs.....lb. .27 - .29
E, cs .....lb. .18½- .20½
Singapore, No. 1, cs.....lb. .28½- .30½
No. 2, cs. .....lb. .24 - .26
East India, black, bold, bgs.....lb. .14½- .16
Batu, bold, bgs.....lb. .11½- .13
nubs, bgs.....lb. .08½- .09¼
Elemi, cns. .....lb. .27 - .29
Ester, gum-rosin type, dms., c.l., divd. Ill., Ind., Ky., Mich.; Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul Va., W. Va.....lb. 16¾- —
wood-rosin type, dms., any quantity, divd., Ill., Ind., etc..lb. .16¾- —
Euphorbium, cs. .....lb. 1.50 Nom.
Galbanum, cs. .....lb. .85 - .90
Gamboge, pipe, cs. .....lb 1.70 - 2.00
powd., bbls. .....lb 1.95 - 2.25
Ghatti, No. 2, bgs. .....lb. .35 - .37
No. 3, bgs. .....lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, No. 1.....lb. .46 - .51
No. 2.....lb. .38 - .43
No. 3.....lb. .33 - .36
No. 4.....lb. .28 - .31
No. 5.....lb. .23 - .27
No. 6.....lb. .20 - .22
Kauri, bgs. .....lb. .31 - —
Locust bean, powd., bgs. .....lb. .42 - .48
Mastic, cs.....lb. 3.50 - —
Myrrh, cs. .....lb. .45 - .46
Olibanum, siftings, cs. .....lb. .12 - .13
tears, cs. .....lb. .22 - .38
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks. .....lb. .95 - 1.00
Gum, scammony, cs. .....lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs. .....lb. .10 - .11
Tragacanth, No. 1, cs. .....lb 8.60 - 8.70
No. 2, cs. .....lb. 3.20 - 3.25
No. 3, cs. .....lb. 2.25 - 2.50
powdered, USP, bbls. .....lb. 1.35 - 1.45
Yacca, bgs. .....lb .06 - .07
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald.. ton.22.65 - —
Harlem river, N. Y., frt. equald, ton.28.25 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald, ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald, ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald, ton.10.50 - —
Harlem river, N. Y., frt. equald, ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald, ton.18.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald... ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas, frt. equald..ton. 8.00 - —
Akron, N. Y., frt. equald..ton. 8.00 - —
Blue Rapids, Kans., frt. equald, ton. 8.00 - —
Clarence Center, N. Y., frt. equald..ton. 8.00 - —
Gypsum, stucco, Fort Dodge, Iowa, frt. equald..ton. 8.00 - —
Grand Rapids, Mich., frt. equald..ton. 8.00 - —
Gypsum, Ohio, frt. equald..ton. 8.00 - —
Harlem river, N. Y., frt. equald, ton. 8.00 - —
National City, Mich., frt. equald..ton. 8.00 - —
New Brighton, N. Y., frt. equald., ton. 8.00 - —
Plastereo, Ga., frt. equald..ton. 8.00 - —
Portsmouth, N. H., frt. equald, ton. 8.00 - —
Roton, Texas, frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald..ton. 9.00 - —
Southard, Okla., frt. equald.ton. 8.00 - —
Sweetwater, Texas, frt. equald, ton. 8.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works..ton.22.50 - —
New Brighton, N. Y., works... ton.21.00 - —

H

Hawthorn berries, bg. .....lb. .57 - .58
Heliotropin, cryst., cns. .....lb. 2.95 - 4.00
Hellebore, white, powd., bbls. .....lb. .70 - .71
Helonias root, bls. .....lb. 2.20 - 2.25
Hematine extract, cryst., No. 0, bbls, l.c.l...lb. .44 - —
No. 1, bbls., l.c.l. .....lb. .43 - —
No. 1A, bbls., l.c.l. .....lb. .40 - —
No. 2, bbls., l.c.l. .....lb. .39 - —
No. 3, bbls., l.c.l. .....lb. .37 - —
No. 4, bbls., l.c.l. .....lb. .35 - —
No. 5, bbls., l.c.l. .....lb. .33 - —
paste, No. 1, bbls., l.c.l. .....lb. .18½- —
No. 2, bbls., l.c.l. .....lb. .17½- —
No. 3, bbls., l.c.l. .....lb. .16½- —
No. 4, (red), bbls., l.c.l .....lb. .12 - —
Hemlock bark extract, 25% tannin, bbls., c.l., works...lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .28
powd., bbls., bbls.....lb. .34 - .36
Heptane, industrial, 90°-100° C., dms., c.l., group 3..gal. .15½- .17
l.c.l., group 3.....gal. .21 - .60
tanks, group 3.....gal. .11½- .11¾
77°-115° C., dms., c.l., group 3..gal. .11½- .17
l.c.l., group 3.....gal. .21 - .60
tanks, group 3.....gal. .10½- .11
laboratory, dms., c.l., group 3..gal. .18 - —
l.c.l., group 3.....gal. .30 - .60
Hexalin (see Cyclohexanol).
Hexathyl tetraphosphate, cns., works, lb. 1.25 - —
dms., c.l., works.....lb .80 - —
l.c.l., works. .....lb. .90 - 1.00
Hexamethylene-tetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C.....lb. .28 - —
smaller lots, same basis.....lb .29 - —
USP, dms., 500 lbs. or more, same basis...lb. .35 - —
smaller lots, same basis .....lb .36 - —
Hexane, industrial, 60°-70° C., dms., c.l., group 3..gal. .16½- .17
L.c.l., group 3.....gal. .21 - .60
tanks, group 3.....gal. .12 - .12½
laboratory, dms., c.l., group 3..gal. .18 - —
l.c.l., group 3.....gal. .30 - .60
Hexanol, normal, dms., l.c.l., works.lb. .25 - —
Homatropine, hydrobromide, bots...oz.15.00 -25.00
Hydrochloride, bots. .....oz.20.00 -22.00
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago...unit-ton. 8.50 - —
Hops, NF, bls. .....lb. .55 - 1.30
Horehound, bls. .....lb. .12 - .13
Hydrangea, root, bls. .....lb. .22 - .25
Hydrastine, bots. .....oz.20.00 -25.00
Sulphate, bots. .....oz.29.00 -32.00
Hydrastinine, 10-grain bots. .....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide dms., fib. cns., works, lb. .30 - .40
Hydrogen peroxide, USP, bbls.....lb. .03¾- .05
100 vols., cbys., E. of Miss. or West coast via Panama Canal..lb. .15½- .18¼
Hydroquinone, bbls., dms .....lb. .90 - .94
Hydroxycitronellal, cns. .....lb. 6.50 - 7.50
Hyoscine hydrobromide, bots. .....oz.39.00 -45.00
Hyoscyamine, bots. .....oz.18.00 -20.00
Hydrobromide, bots.....oz.18.00 -19.50
Sulphate, bots. .....oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l...lb. .51 - —
No. 2, bbls., l.c.l.....lb. .43 - —
liquid, No. 1, bbls., l.c.l. .....lb. .28 - —
No. 2, bbls., l.c.l.....lb. .25 - —
solid, No. 1, bxs., l.c.l. .....lb. .40 - —
Hyssop herb, bgs.....lb. .50 - .55
Leaves, bgs. .....lb. .55 - .60

I

Iceland moss, bgs. .....lb. .50 - .52
Ichthammol, NF, bots. .....lb 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests. .....lb. 2.14 - 2.80
synth., paste, bots.....lb. .16½- .19
powd., bbls. .....lb .74½- .85
Indol, CP, bots.....lb.18.00 -23.00
Inositol, tins, divd.....lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse., Staten Island..lb. 1.729 - —
resubl., bots., jars.....lb. 2.35 - 2.65
Iodoform, dms., kgs. .....lb. 4.45 - —
Ionone ketone, alpha, cns. .....lb.12.50 -16.40
beta, cns. .....lb. 9.00 -12.50
pure, cns. .....lb. 5.65 - 7.35
Methyl (see M).
IPC, bots., 1-5 lbs.....lb. 2.68 - 2.72
lib. dms., 100 lbs., ship't. point..lb. 2.50 - 2.50
50 lbs., ship't point.....lb. 2.60 - 2.72
10-25 lbs., ship't point.....lb. 2.50 - 2.54
Ipecac root, bgs. .....lb. 5.25 - 5.30
powd., bgs. .....lb. 5.45 - 5.50
Irish moss, bleached, prime, bls. ..lb. 20 - .21
Iron acetate, liquor, 28°, bbls., c.l., works..lb. .09 - —
l.c.l., works. .....lb. .09¾- —
solut., USP IX, cbys. .....lb. .17 - —
djns. .....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld. 100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .97 - .98½
solut., 42 Be, cbys., works, frt. alld, or equald..lb. .05½- .06
djns., same basis .....lb. .10 - —
Citrate, gran., dms.....lb. .77 - .79
Glycerophosphate, N.F., powd ..lb. 4.35 - —
Hypophosphite, bbls., dms.....lb. 1.50 - 1.52
Iodide, bots.....lb. 3.48 - 3.63
Naphthenate, 6% Fe, dms.....lb. .19½- —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
Phosphate, soluble, NF, gran., cs.lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms...lb. .69 - .72
Reduced, 90% kgs.....lb. .65 - .70
Resinate, 7.4% Fe, dms.....lb. .22 - —

Pharmacology finds many uses for

BECCO

ZINC PEROXIDE 55%

ZnO_2

Because of its non-irritating, deodorizing properties; because of the increasing interest in personal hygiene, BECCO ZINC PEROXIDE 55% is being demanded more and more by the pharmaceutical industry. It is now available in commercial quantities.

PROPERTIES

Active Oxygen: by wt. min. 9.0%
Assay: ZnO_2 by wt. min. 55%
Stability: No loss of active oxygen at room temperature. Decomposes above 150°C.
Solubility: Insoluble in water, soluble in acid media.

OTHER USES

Cosmetics: Dusting Powders. Deodorants.
Rubber Industry: Vulcanizing Agent.
General: High temperature oxidations.

OTHER BECCO PRODUCTS

Hydrogen Peroxide	27.5%	by weight	Sodium Carbonate Peroxide	$2Na_2CO_3.3H_2O_2$
Hydrogen Peroxide	35%	by weight		
Hydrogen Peroxide	50%	by weight	Acetyl Peroxide in Dimethyl Phthalate	$(CH_3CO)_2O_2$
Hydrogen Peroxide	90%	by weight		

BECCO SALES CORPORATION
AGENTS FOR BUFFALO ELECTRO-CHEMICAL COMPANY, INC.
BUFFALO 7, NEW YORK
New York Buffalo Philadelphia Chicago Charlotte

WE SPEAK THEIR LANGUAGE

More than a "gift of tongues" is needed to transact a worldwide chemical business today. Specialized knowledge of hundreds of details of currency controls, quota regulations, export-import permit details is essential to move goods freely.

For two generations, we have acted as export-import representatives for important chemical producers and consumers here and abroad. Long personal acquaintance with men and markets, with customs and languages have taught us how to overcome the difficulties of bringing buyer and seller together on a mutually advantageous basis.

For those who seek new or additional sources or outlets for chemicals, we may be able to perform services now that can be vastly important for years to come.

We solicit correspondence on the service we render. And welcome inquiries on the chemicals listed here.

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ENCO CHEMICAL CORPORATION
formerly NEUBERG CHEMICAL CORPORATION

ESTABLISHED 1910 441 LEXINGTON AVENUE, NEW YORK 17, N. Y. TELEPHONE MU 6-1990

CABLE: *Encofan, New York or Neuberg, New York*

ACETIC ANHYDRIDE
ALUMINA HYDRATE
ALUMINUM HYDROXIDE U.S.P.
ALUMINUM CHLORHYDROL
ALUMINUM CHLORIDE
ACETONE
ACETANILID
ACID SODIUM PYROPHOSPHATE
BARIUM HYDRATE
BARIUM SULFATE
BARIUM PEROXIDE
BENZOATE OF SODA
BICARBONATE OF SODA
BENZENE HEXACHLORIDE
BENZOYL PEROXIDE
BLANC FIXE
CARBON TETRACHLORIDE
CARBON BISULPHIDE
CAUSTIC POTASH
CAUSTIC SODA
CITRIC ACID
CALCIUM CITRATE
CREAM OF TARTAR
DDT
EPSOM SALT
LECITHIN
LITHIUM SALTS
PERCHLORETHYLENE
PHOSPHORIC ACID
PHOSPHOROUS (RED AMORPHOUS)
ROCHELLE SALT
SAPONIN
SODIUM SULPHIDE
SODA ASH
SODIUM TRIPOLY PHOSPHATE
SODIUM TETRA PYROPHOSPHATE
TARTARIC ACID
TARTAR EMETIC
TRICHLORETHYLENE
VANILLIN

Iron Stearate—Liverwort Leaves

Iron stearate, dms., c.l.....lb. .46 - —
ton lots.....lb. .47 - —
less ton lots.....lb. .48 - —
Sulphate (ferric), anhyd, bgs., c.l., works..ton.35.00 - —
l.c.l., works.....ton.40.00 - —
partially hydrated, bgs., c.l., works..ton.26.50 - —
(ferrous), tech, (see Copperas).
USP, cryst., bbls., dms.....lb. .06 - .08
Iron-ammonium citrate, brown, green, gran., dms..lb. .45 - .46
Oxalate, bbls.....lb. .23½- —
dms., bgs.....lb. .25½- .26½
Iron-sodium oxalate, fine gran., bbls., dms..lb. .23½- .26½
Isobornyl acetate, cns.....lb. .97 - 1.10
Thiocyanoacetate, dms., c.l., works, gal. 4.35 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works .....gal. 4.23 - —
Isobutyl acetate, cns.....lb. .97 - 1.10
Methacrylate, M-5, dms., works..lb. .60 - —
cns., works .....lb. .63 - .67
P-5, cns., works.....lb. .60 - —
Propionate, cns. .....lb. No prices.
Isobutyraldehyde, dms., works.....lb. .33 - .36
Isoeugenol, extra, cns.....lb. 3.25 - 4.00
cbys., extra.....lb. 3.10 - —
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works.....lb. .21 - —
l.c.l., works .....lb. .22 - —
tanks, works .....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld., E. of Rockies..lb. .1160- .1260
l.c.l., same basis.....lb. .1210- .1300
tanks, same basis.....lb. .1100- .1160
Alcohol (see Alcohol, isopropyl).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., works.....lb. .25 - —

J

Jaborandi leaves, bls.....lb. .17 - .18
Jalap root, NF, bls.....lb. .44 - .49
powd., bbls., bxs.....lb. .50 - .53
Resin, lump, cns.....lb. 5.85 - —
powd., bxs. .....lb. 5.90 - —
Juniper berries, bgs.....lb. .12 - .20
Tar, USP, dms.....lb. .50 - .92

K

Kamala, powd., cns.....lb. .46 - .48
Kaolin (see China clay).
Kava kava root, bls.....lb. .35 - .40
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. .08125- —
Bayonne, 41-43, w.w., tanks....gal. .09 - —
California, 40-43, w.w., tanks..gal. .0830- .1005
Gulf ports, 41-43, w.w., tanks..gal. .0725- .0775
Okla.-Tex., 41-43, w.w., tanks..gal. .0785- .08125
Penn., 45 w.w., tanks.....gal. .0935- .0950
47 w.w., tanks.....gal. .095 - .10
Kola nuts, bgs.....lb. .08 - .09
Kyanite, imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse..ton.95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.75 - 1.80
Lanolin, anhyd., cosmetic, dms., works, lb. .25 - —
USP, dms., works.....lb. .23 - —
hydrous, cosmetic, dms., works...lb. .22½- —
USP, dms., works.....lb. .21½- —
Lard, cash, trcs., Chicago.....lb. .27½- .28
Larkspur seed, bgs.....lb. .55 - .57
Laurel berries, bls.....lb. .25 - .26
Leaves, Algerian, bls.....lb. .13 - .13½
Cyprian, bls. .....lb. .11 - .11½
Greek, bls.....lb. .11½- .12
Portuguese, choice, bls.....lb. .10½- .11
ordilnary, bls. .....lb. .10 - .10½
Turkish, choice, bls.....lb. .17 - .17½
ordinary, bls. .....lb. .11 - .11½
Lavender flowers, medium, bls.....lb. .66 - —
ordinary, bls.....lb. .31 - —
select, bls.....lb. .75 - —
Lead acetate, white, broken, bbls..lb. .18½- —
cryst., bbls.....lb. .19½- —
gran., powd., bbls.....lb. .19½- —
Arsenate, basic, powder, 3-lb. bgs. or larger, c.l...lb. .21¾- —
l.c.l. .....lb. .22¾- .23¾
1-lb. bgs., c.l.....lb. .20½- —
l.c.l. .....lb. .30½- .31½
Lead arsenate prices are works or frt. alld. on 96 lbs. or more to dest. whse. basis East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld..lb. .15¼- —
l.c.l., works.....lb. .15½- —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, jars.....lb. 2.90 - 3.06
Linoleate, solid, 13%, bbls.....lb. .41¾- —
Metal, pigs, prime, N. Y.....lb. .15 - —
E. St. Louis.....lb. .1480- .1485
Lead, metallic, paste, dms., 10,000-40,000 lbs., works..lb. .27½- —
2,000-10,000 lbs., same basis....lb. .28½- —
up to 2,000 lbs., same basis..lb. .30 - —
Naphthenate, liquid, 21% Pb, dms.lb. .20½- —
30% Pb, dms.....lb. .24¾- —
solid, 37% Pb, dms.....lb. .27½- —
Nitrate, bbls., c.l. .....lb. .17¾- —
l.c.l. .....lb. .18 - —
Oleate, bbls.....lb. .33½- —
Peroxide, powd., tech., bbls.....lb. .29 - .31
Red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld..lb. .1760- —
l.c.l., 5 tons, same basis....lb. .1800- —
smaller lots, same basis..lb. .1850- .1860
97% Pb_3O_4, bbls., c.l., same basis. lb. .1785- —
l.c.l., 5 tons, same basis....lb. .1825- —
smaller lots, same basis....lb. .1875- —
98% Pb_3O_4, bbls., c.l., same basis. lb. .1810- —
l.c.l., 5 tons, same basis....lb. .1850- —
smaller lots, same basis..lb. .1900- —
Resinate, precip., 23.8% Pb., dms. lb. .25 - —
Silicate, bgs. .....lb. .17 - .17½
Soyate, 26.15% Pb, dms.....lb. .33¾- —
Stearate, bbls., c.l.....lb. .52 - —
ton lots.....lb. .53 - —
less ton lots.....lb. .54 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, liquid, 16% Pb, dms.....lb. .14 - —
solid, 30% Pb, dms.....lb. .19 - —
White, basic carbonate, bbls., c.l., ship't point, frt. alld..lb. .15¾- .16
l.c.l. works .....lb. .16 - .16½
basic sulphate, bbls., c.l., ship't point, frt. alld..lb. .15¼- —
l.c.l., works .....lb. .15½- —
Lecithin, edible, tech., bleached, dms., non-ret., c.l., works..lb. .28 - —
l.c.l., same basis.....lb. .26 - .31
unbleached, c.l., same basis..lb. .26 - —
l.c.l., same basis.....lb. .25 - .29
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns.....lb. .40 - .42
powd., bbls. .....lb. .60 - .62
Root, bls. .....lb. .09 - .10
5-lb. bundles, cs. .....lb. .60 - .65
powd., bbls .....lb. .14 - .15
Lignin extract, tanning grade, bgs., c.l., works..lb. .04¾- —
Lime, agricultural, bulk, works..tons. 9.00 - 9.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.....ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa. .....ton. 9.00 - —
Berkeley, W. Va.....ton. 9.00 - —
Buffalo, N. Y. .....ton.10.75 - —
Carey, Ohio .....ton. 7.00 - —
Cedar Hallow, Pa.....ton. 9.50 - —
Crab Orchard, Tenn.....ton. 8.50 - —
Eagle Mountain, Va.....ton. 8.50 - —
Farnams, Mass. .....ton. 9.00 - —
Gibsonburg, Ohio.....ton. 7.50 - —
Hannibal, Mo. .....ton. 7.50 - —
Keystone, Ala. .....ton. 8.50 - —
Knoxville, Tenn.....ton. 8.50 - —
Limedale, Ark. .....ton. 8.00 - —
Longview, Ala.....ton. 8.50 - —
Mitchell, Ind.....ton. 7.50 - —
Newala, Ala.....ton. 8.50 - —
Manistique, Mich.....ton. 8.00 - —
Marblehead, Ohio.....ton. 8.50 - —
Martinsburg, W. Va.....ton. 9.00 - —
Menominee, Mich.....ton. 8.00 - —
Ripplemead, Va.....ton. 8.50 - —
Riverton, Va.....ton. 8.50 - —
Rockland, Maine.....ton. 8.00 - —
Scioto, Ohio.....ton. 6.50 - —
Sherwood, Tenn.....ton. 8.39 - —
Sherwood, Wis.....ton. 8.50 - —
Springfield, Mo.....ton. 8.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Hydrated, paper bgs., Adams, Mass. ton.11.25 - —
Annville, Pa.....ton.11.50 - —
Bellefonte, Pa.....ton.11.50 - —
Berkeley, W. Va.....ton.10.00 - —
Buffalo, N. Y.....ton.11.50 - —
Carey, Ohio.....ton. 9.00 - —
Cedar Hollow, Pa.....ton.11.50 - —
Crab Orchard, Tenn.....ton.11.65 - —
Eagle Mountain, Va.....ton.10.00 - —
Engle, W. Va.....ton.11.50 - —
Farnams, Mass.....ton.11.00 - —
Gibsonburg, Ohio.....ton. 9.50 - —
Hannibal, Mo.....ton. 9.50 - —
Keystone, Ala. .....ton.12.25 - —
Knoxville, Tenn.....ton.11.00 - —
Lefton, Minn.....ton.10.00 - —
Limedale, Ark.....ton.10.00 - —
Longview, Ala. .....ton.12.25 - —
Marblehead, Ohio.....ton.10.50 - —
Mitchell, Ind.....ton.10.00 - —
Manistique, Mich.....ton. 9.50 - —
Newala, Ala.....ton.12.25 - —
Petoskey, Mich.....ton.10.00 - —
Port Island, Mich.....ton. 9.00 - —
Rapid City, S. Dak.....ton.12.00 - —
Ripplemead, Va.....ton.10.00 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton.12.14 - —
Sherwood, Wis.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton.11.50 - —
Spray, paper bgs., Adams, Mass..ton.11.70 - —
Annville, Pa.....ton.11.50 - —
Bellefonte, Pa.....ton.11.50 - —
Carey, Ohio.....ton.11.00 - —
Engle, W. Va.....ton.11.50 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton.10.00 - —
Marblehead, Ohio.....ton.10.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.11.50 - —
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bulk, works...ton. 1.40 - —
Linalool, ex bois de rose.....lb. 5.10 - 6.85
ex lignaloe wood.....lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots.lb. 4.35 - 7.20
ex lignaloe wood, bots.....lb. 8.25 - 8.40
ex petitgrain, bots.....lb. 5.10 - 6.35
Linden flowers with leaves, bls.....lb. .35 - .36
without leaves, bls.....lb. .35 - .36
Linseed meal, 34% bulk, Midwest mills. ton.84.00 - —
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld..lb. .1630- —
l.c.l., 5 tons, same basis..lb. .17 - —
smaller lots, same basis.....lb. .1750- .1760
Lithium bromide, bbl., works, frt. equald..lb. 1.90 - —
Carbonate, NF, bbls., kgs.....lb. 1.15 - —
Chloride, jars .....lb. 1.15 - 1.65
Citrate, bbls., dms., kgs.....lb. 1.30 - 1.45
Fluoride, bbls. .....lb. 1.90 - —
Hydroxide, jars .....lb. 1.15 - 1.25
Lime salts (see Calcium).
Lithopone, ordinary, bgs., c.l., ship't point..lb. .06 - —
l.c.l., same basis.....lb. .06¼- —
bbls., c.l., same basis.....lb. .06¼- —
l.c.l., same basis.....lb. .06½- —
Titanated (high-strength), bgs., c.l. lb. .07¾- —
smaller lots .....lb. .08 - —
bbls., c.l. .....lb. .08 - —
smaller lots .....lb. .08¼- —
Lithopone Pac. Cst. prices ¾c. higher.
Liverwort leaves, bls.....lb. .70 - .75

CENTROL LECITHIN

The Modern Way

TO BETTER PAINTS AND PRINTING INKS

Production records of many leading paint, varnish, enamel and printing ink manufacturers proves that the addition of Centrol 4 Lecithin to their formulas results in:

Quicker Wetting of Pigments
Better Pigment Dispersion
Reduction in Grinding Time
Controlled Consistency

Centrol 4 Lecithin, a colloidal phosphatide compound, possesses exceptional wetting and dispersion properties in the manufacturing of paint, enamel, varnish, printing ink and putty. It also materially increases the penetrating qualities of wood preservatives and penetrating oils.

INCREASE YOUR PRODUCTION RATE

Centrol Lecithin increases the affinity of all hydrophilic pigments and many of the organophilic group for the vehicle, whether oil, alkyd, resins or varnish. It reduces surface and inter-facial tensions. As a result—grinding time is reduced to a minimum. Many users have increased their production rates as much as 40%.

In addition, Centrol Lecithin will improve the value of your surface coatings by eliminating or minimizing color floating or flooding and pigment settling. The brushing properties will be improved, with less sag or drag. Better leveling, spreading and pentration will be obtained.

Write today for the latest Technical Bulletins "Centrol 4 Lecithin for Protective Coatings and Printing Inks." Learn all the facts about how Centrol 4 Lecithin can improve your product.

Centrol Lecithin production is controlled by rigid standards and specifications to a uniform high quality, and is available in 25, 50, 125, 260 and 500 lb. steel pails and drums.

CENTRAL SOYA PRODUCTS
CENTROL LECITHIN
MANUFACTURERS OF
Central Lecithin, Central Soy Albumen, and Specialized Central Soy Flours
One of the World's Largest Soybean Processors
CENTRAL SOYA CO., INC., FORT WAYNE 2, IND.

Lobelia herb, bls. .....lb. .82 - .85
Lobeline sulphate, bots., works...oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. .lb. .37 - —
No. 2, bbls., l.c.l. .....lb. .35 - —
liquid, No. 1, bbls., l.c.l.....lb. .18 - —
No. 2, bbls., l.c.l.....lb. .17 - —
No. 3, bbls., l.c.l.....lb. .16½- —
No. 4, bbls., l.c.l. .....lb. .16 - —
solid, No. 1, bxs., l.c.l.....lb. .32 - —
No. 2, bxs., l.c.l.....lb. .30 - —
No. 4, bxs., l.c.l.....lb. .27½- —
No. 5, bxs., l.c.l.....lb. .25½- —
No. 6, bxs., l.c.l.....lb. .43½- .48½
Lovage root, imp., bls.....lb. 1.20 - 1.25
Lupulin, NF VII tin.....lb.10.00 -11.00
Lycopodium, NF, cs.....lb. 2.50 - 2.75

M

Mace, No. 1, Siauw, cs.....lb. 1.40 - 1.45
East Indian, bgs., futures.....lb. 1.40 - 1.45
West Indian, bgs., futures.....lb. 1.35 - 1.40
Broken, futures.....lb. 1.25 - 1.30
Madder, Dutch, bgs.....lb. .29 - .32
Magnesia, calcined, tech., bbls., works..lb. .29 - —
USP, bbls.....lb. .31 - .33
Magnesium arsenate, bgs., cans, works..lb. .20 - .30
Bromide, dms. .....lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald..lb. .07¼- —
l.c.l., frt., alld.....lb. .08¼- —
bbls., c.l., frt. equald.....lb. .08½- —
l.c.l., frt. alld.....lb. .09½- —
kgs., c.l., frt. equald.....lb. .09¾- —
l.c.l., frt. alld.....lb. .10¾- —
USP, bgs., c.l., frt. equald..lb. .09 - —
l.c.l., frt. alld.....lb. .10 - —
bbls., c.l., frt. equald.....lb. .09½- —
l.c.l., frt. alld.....lb. .10½- —
kgs., c.l., frt. equald.....lb. .10¾- —
l.c.l., frt. alld.....lb. .11¾- —

Magnesium carbonate is quoted frt. alld. to N. J., except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean, and Salem counties, and to Phila. county, Pa. Frt. equald, with N. Y. C. on all other destinations.

Chloride, anhyd., bbls., dlvd.....lb. .12¾- —
flake, bbls., c.l., works.....ton.37.00 - —
l.c.l., works.....ton.44.00 -46.00
Fluoride, bbls.....lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls. .....lb. .46 - .47
Metal, 98.8%, ingots, cs. .....lb. .20½- —
sticks, cs. .....lb. .34 - .38
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works.....lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls....lb. .62 - .67
Silicate (see Talc).
Silicofluoride, bbls., works.....lb. .10 - —
Stearate, cns., 2,000 lbs. to c.l...lb. .48 - —
smaller lots .....lb. .49 - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000 lbs.....lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, calcined, powd., bgs., c.l., mines, Calif....ton.60.00 - —
dead-burnt, bulk, c.l., Chewalah, Wash..ton.24.00 - —
Maleic anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malva flowers, blacks, bls.....lb. No stocks
Blue, bls .....lb. 1.45 - 1.50
Leaves, bls .....lb. .40 - .41
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .40 - .45
Manganese acetate, dms.....lb. .25½- —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., dms., works....lb. .18 - .19
Dioxide, African, battery, 84%-87% bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., works .....ton.74.75 -79.79
paper bgs., c.l., works, ton.70.00 - —
l.c.l., works .....ton.73.00 - —
85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works .....ton.77.00 -82.00
Glycerophosphate, fib. dms.....lb. 4.25 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide jars .....lb. 5.55 - —
Linoleate, liquid, 4% Mn, dms.....lb. .41 - —
solid, precip., 8.2% Mn, bbls...lb. .43 - —
Metal, cs., dlvd. East.....lb. .30 - .32
Naphthenate liquid, 6% Mn, dms..lb. .21 - —
solid, 10% Mn, dms.....lb. .33¼- —
Resinate, fused, 3½% Mn, bbls....lb. .09 - .10¼
precip., dms.....lb. .20 - —
Soyate, 8.2% Mn, dms.....lb. .33½- —
Sulphate, anhyd., dms., works..lb. No stocks
feed grade, 77-80%, bgs.....lb. .04 - .06
fertilizer grade, 65%, bgs., c. l., dlvd E..ton.56.00 - —
l.c.l., dlvd. E. of Balto. or Cincinnati..ton.63.00 - —
industrial grade, 80%, bgs.....lb. .05 - .05¾
75%, bgs., c.l., dlvd. East....ton.64.50 - —
l.c.l., same basis.....ton.71.50 - —
Tallate, liquid, 4% Mn, dms.....lb. No prices
solid, 8% Mn, dms.....lb. No prices
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock..ton.60.00 - —
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs.....lb. .70 - .75
Mannitol, com'l, bbls., works.....lb. .38 - .43
reagent, cs., works.....lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
Chilean, bls. .....lb. .12 - .12½
futures, bls.....lb. .10 - .10½
French, bls. .....lb. .38 - .38½
Matico leaves, bls.....lb. .17 - .18
Menadione, USP, bots., works..gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 9.00 - 9.25
synthetic, tech., cns.....lb. 6.00 - 6.40
USP, laevo, cns.....lb. 8.90 - 9.95
racemic, cns.....lb. 7.60 - 8.00
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms. .....lb. 2.33 - 2.35
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.54 - 3.59
Iodide, red, NF, dms.....lb. 4.32 - —
Yellow, NF, fib. dms.....lb. 4.42 - —
Metal (see Quiuksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms.....lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd. .....lb. .13½- —
tanks, dlvd. .....lb. .11½- —
Metachloranilin, dms., works.....lb. .65 - —
Metacresol, 98%, dms., works.....lb. .65 - —
Metanitroparatoluidin, bbls. .....lb. 1.16 - 1.21
Metaphenylenediamine, kgs.....lb. .72 - —
Metatolylenediamine, kgs.....lb. .77 - —

Methanol, natural, all grades, group A, dms., extra, c.l., E. of Miss. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
group B, dms., incl., c.l., frt. alld. gal. .67 - —
l.c.l., same basis.....gal. .78 - —
tanks, same basis.....gal. .60 - —

Prices on natural methanol W. of Miss. 3c. higher

synthetic, dms., c.l., zone 1, frt. alld. gal. .34½- —
2, frt. alld. or dlvd.....gal. .37½- —
3, frt. alld. .....gal. .41½- —
4, frt. alld. .....gal. .41½- —
l.c.l., zone 1, frt. alld. or dlvd.gal. .37 - —
2, frt. alld.....gal. .44 - —
3, dlvd. S. F. and L. A.....gal. .42 - —
4, frt. alld. or dlvd.....gal. .52½- —
tanks, zone 1, frt. alld.....lb. .24 - —
2, frt. alld. .....gal. .27 - —
3, frt. alld. .....gal. .29 - —
4, frt. alld. .....gal. .29 - —

Synthetic methanol zones are: Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Anegeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .13¼- —
l.c.l., dlvd.....lb. .13¾- —
hydrogenated, non-ret., dms., c.l., dlvd..lb. .15½- —
l.c.l., dlvd. .....lb. .16 - —

Methyl acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss. .....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss.....lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., frt. alld. E. lb. .42 - —
l.c.l., same basis.....lb. .42½- —
Methyl acetoacetate prices, frt. alld. W., ½c.
tanks, zone 1, frt. alld.....lb. .24 - —
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld.gal. .50 - —
l.c.l., same basis.....gal. .57 - —

Natural Methyl acetone group A prices W. of Miss. 3c. per gal higher.

group B, dms., incl., c.l., E. Miss., frt. alld..gal. .67 - —
l.c.l., same basis.....gal. .78 - —
tanks, same basis.....gal. .60 - —
synthetic, dms., c.l., works, frt. alld E..gal. .53¾- —
frt. alld. W.....gal. .56½- —
l.c.l., works, frt. alld. E..gal. .57 - —
frt. alld. W.....gal. .59 - —
tanks, works, frt. alld. E....gal. .44¼- —
frt. alld. W.....gal. .46½- —

Methyl acetone, synth. East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).

Methyl anthranilate, dms. .....lb. 2.20 - 2.50
bots., cns.....lb. 2.20 - 2.60
Benzoate, cns.....lb. .45 - 1.20
Bromide, cns.....lb. .63 - .65
cyls. .....lb. .55 - .70
Chloride, indust., cyl., works...lb. .16 - —
tanks, multi-unit, works.....lb. .14¾- —
single-unit, works.....lb. .14 - —
refrigeration, indust. consumers, refrigeration machinery mfrs., cyls., dlvd..lb. .33 - —
retail refrigeration consumers or service men, cyls., dlvd..lb. .41 - —
Cinnamate, cns.. .....lb. 1.43 - 3.50
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 3.00 - 3.25
Lactate, dms., l.c.l., works.....lb. .35 - —
Methacrylate, M-1, dms., works..lb. .45 - —
cns., works.....lb. .48 - .58
P-1, cns., works.....lb. .60 - —
Salicylate, dms., 500 lbs.....lb. .40 - —
25-50 lbs. .....lb. .45 - —
Methylal, crude, dms., c.l., works...lb. .04 - —
l.c.l., works .....lb. .05 - —
tanks, works .....lb. .02 - —
refined, 95%, dms., c.l.....lb. .07 - —
l.c.l., works .....lb. .08 - —
tanks, works .....lb. .04½- —
Methylamyl ketone, cns., dms., works, lb. No stocks
Methylcellulose, special vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 - .90
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more..lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .78

✓ General Chemical Producing Works include:

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Methylcyclohexane—Oil, Castor, Dehydrated

Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, tech. (see Dyes, coal-tar).
USP, 100-lb. lots, kgs., frt. equald. lb. 2.20 - —
50-lb. lots, kgs., same basis..lb. 2.30 - —
25-lb. lots, kgs., same basis..lb. 2.35 - —
Chloride, indust., dms., c.l., divd. E. lb. .12½- —
l.c.l., divd., E.....lb. .13½- —
tanks, divd., E.....lb. .11½- —
Methyleneanilin, dms., ton lots, frt. alld..lb. .36 - —
smaller lots, same basis.....lb. .37 - —
Methylethyl ketone, dms., divd....lb. .10½- —
l.c.l., divd.....lb. .11 - —
tanks, divd.....lb. .09 - —
Methylhexyl ketone, tech., dms., works. lb. .69 - —
Methylionone, A, cns.....lb. 6.55 - 8.80
D, cns.....lb. 7.50 - 9.55
prime, cns.....lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., divd.....lb. .14 - —
l.c.l., divd.....lb. .14½- —
tanks, divd.....lb. .12½- —
Methylnaphthyl ketone, cns.....lb. 3.00 - 3.75
Methylpentanediol, dms., works, divd. lb. .18 - —
l.c.l., works, divd.....lb. .19 - —
tanks, works, divd.....lb. .16½- —

Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works..lb. .03½- —
roofing, 20 to 80 mesh, works....lb. .03⅜- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E.lb. .07½- —
rubber, bgs., c.l., works, frt. alld. E..lb. .06¾- —
l.c.l., ex whse. or frt. alld. E. lb. .07½- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E. lb. .07¾- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E. lb. .07¾- —
Mica, wet-grd. W. of Miss R., ½c higher. W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l..lb. .14½- .15
spray, bbls., c.l.....lb. .15½- .15¾
Whole, roller, bbls., c.l.....lb. .38¾- .40
spray, bbls., c.l.....lb. .41¾- .44¼
Sugar, edible, bbls., works, 30,000-lb. lots..lb. .24 - —
2,000-lb. lots .....lb. .24¾- —
200-1,800-lb. lots .....lb. .25¼- —
USP, bbls., works, 3,000-lb. lots.lb. .26 - —
2,000-lb. lots .....lb. .26¾- —
200-1,800-lb. lots .....lb. .27¼- —

Mineral spirits (see Petroleum, mineral spirits).
Molasses, blackstrap, tank, U. S. port..gal. .30¾- .31⅜
Molybdate orange (see Orange, molybdate).
Molybdenum metal, 99% Mo. powd., kgs..lb. 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. equald..lb. .06 - .07½
l.c.l., works .....lb. .06½- .08½
smaller containers, works.....lb. .09 - .10
tanks, works, frt. equald.....lb. .05½- .06
Monoethanolamine, dms., c.l., frt. alld. E..lb. .25½- —
l.c.l., same basis.....lb. .26½- —
smaller containers, same basis....lb. .29½- —
tanks, same basis.....lb. .24 - —
Monoethylamine, dms., c.l., wks. basis 100%..lb. .17 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .15 - —
Monomethylamine, anhydrous, cyl., works, basis 100%..lb. .34½- .44½
25%-40%, dms., c.l., same basis..lb. .34 - —
tanks, same basis.....lb. .30 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monononylnaphthalene, tanks, wks.lb. .16 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Morphine, cns., 25 ozs.....oz. 12.40 - —
Acetate, cns., 25 ozs.....oz. 9.90 - —
Hydrobromide, cns., 25 ozs.....oz. 9.80 - —
Hydrochloride, cns., 25 ozs.....oz. 9.90 - —
Sulphate, cns., 25 ozs.....oz. 9.90 - —

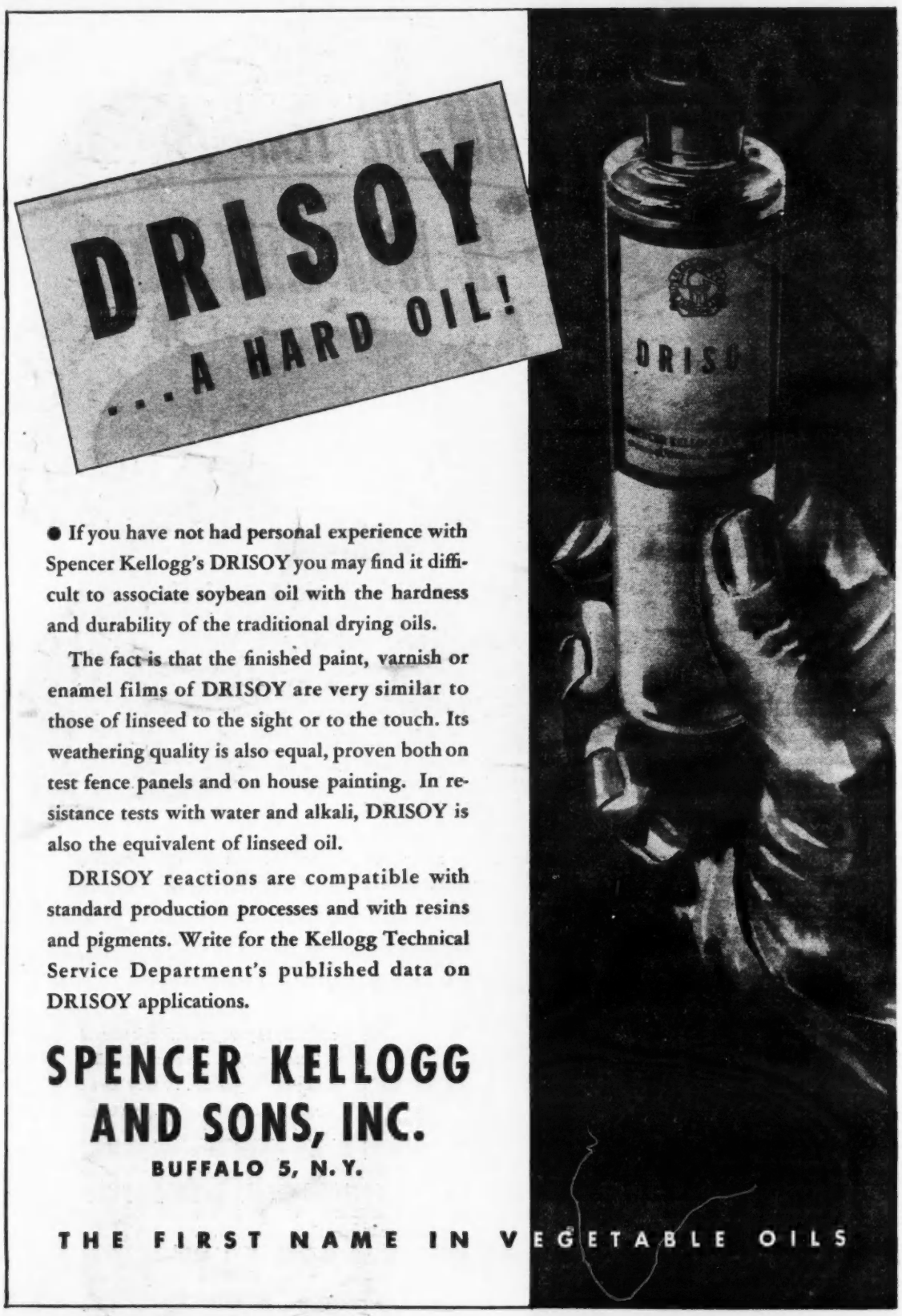
Morpholine, dms., l.c.l., works.....lb. .67 - —
smaller containers, works.....lb. .75 - —
Mountain ash berries, bgs.....lb. .75 - .76
Mullein leaves, bls.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots..oz. 38.00 -55.00
synthetic, ambrette, cns., 5-lb..... 8.00 -14.25
Ketone, cns., 100 lbs. or more..lb. 4.90 - 4.95
25 lbs. .....lb. 4.70 - 5.05
5 lbs. .....lb. 4.60 - 5.20
Xylol, cns. .....lb. 1.90 - 1.80
25 lbs. .....lb. 1.70 - 1.90
5 lbs. .....lb. 1.80 - 2.00
Muskroot, bls .....lb. No stocks.
Mustard seed, Calif., brown.....lb. .20 - .21
Danish, yellow, bgs.....lb. .18 - .18½
Dutch, yellow, bgs.....lb. .17 - .17½
futures, bgs. .....lb. .18½- .19
Montana, brown, bgs., source...lb. .13 - .13½
Oriental, bgs. .....lb. .08½- .09
new crop futures, source....lb. .07½- .08
yellow, bgs., new crop futures, source..lb. .16½- .17
Washington, yellow, bgs.....lb. No prices.
Myrobalans, J1, good quality, ex dock. ton. 51.00 -55.00
J2, ex dock .....ton. 45.00 -46.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74° bgs., bbls., c.l., frt. equald..lb. No prices.
tanks, same basis.....lb. .0125- .0475
78°, bgs., c.l., same basis....lb. No prices.
bbls., c.l., same basis.....lb. .0410- .055
l.c.l., same basis.....lb. .0455- .06
tanks, same basis.....lb. .0450- .05
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works. lb. .11 - —
50-lb. cs., c.l., same basis....lb. .11¼- —
1-lb. pkgs. c.l., same basis..lb .12½- —
Neocinchopen, USP, dms., works..lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y.....ton. 13.75 - —
pottery, 200 mesh, bulk, Rochester, N. Y..ton. 17.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide)
Nickel, carbonate, bbls.....lb. .39 - —
Chloride, bbls .....lb. .20 - —
Cyanide, bots, dms.....lb. 1.75 - 2.00
Metal, electro cathodes, cs.....lb. .35 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .14 - .14½
Nicotinamide, USP, dms., works. kilo. 9.50 - 9.80
Nicotine sulphate, 40%, dms., dealers, frt. alld. over 50 lbs..lb. .988 - —
tins, dealers.....lb. 1.105 - —
Nikethamide, bots, cbys.....lb. 5.50 - 6.60
Nitreake, bulk, works.....ton. 20.00 -24.00
Nitrobenzene, dbl. dist., dms., c.l..lb. .08½- .08¾
l.c.l. .....lb. .09½- .10
tanks .....lb. .07½- .07¾
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, and 40-80 secs., bbls., c.l., works, dry weight..lb. .26 - —
l.c.l., same basis.....lb. .27 - .29
18-25 cps., 125-175 secs., bbls., c.l., same basis..lb. .28 - —
l.c.l., same basis.....lb. .29 - .31
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis..lb. .31 - —
l.c.l., same basis.....lb. .32 - .34
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-60 secs., bbls., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .33 - .35
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Barrels extra, but returnable.
Nitrogen solution, tanks, works, N. ton. 107.00 -114.84
Nitrogenous process tankage, bulk, works, ammo. unit ton. 4.60 - 6.50
Sewage sludge, bulk, works, unit ton. 4.15 + 40-
Nitromethane, dms., c.l., works....lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane, 1, dms., works.....lb. .25 - —
2 dms., works.....lb. .25 - —
Nonylnaphthalene blend (mono and di), tanks, works..lb. .14 - —
Nutgalls, bgs. .....lb. .44 - .50
Nutmegs, East Indian, bgs., futures, afloat..lb. .60 - .61
West Indian, bgs.....lb. .60 - .61
futures .....lb. .60 - .61
Nux vomica, bls.....lb. .09 - .10
powdered, bbls., bxs.....lb. .12 - .13

O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100°-140° C, industrial grade, dms., c.l., group 3..gal. .18 - —
l.c.l. .....gal. .21 - .60
tanks, group 3.....gal. .13½- —
Octanol (see Alcohol, ethylhexyl).
Oil, almond, bitter, artificial (see Benzaldehyde).
natural, F.P.A., bots.....lb. 4.50 - 5.00
NF, bots. .....lb. 4.90 - —
Sweet, dms., cns.....lb. .69 - 1.80
Angelica root, bots.....lb. 120.00 -250.00
Seed, bots.....lb. 110.00 -115.00
Anilin (see A).
Anise, USP, Chinese, dms.....lb. .75 - 1.15
Russian, cns.....lb. 3.25 - 3.75
Apricot kernel, cns.....lb. .65 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, tanks.....lb. .27½ Nom.
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.60 - 2.25
55-60%, cns.....lb. 1.20 - 2.35
60-65%, cns.....lb. 2.50 - —
West Indian, 50-55%, cns.....lb. 1.20 - 1.65
Bergamot, artif., cns. .....lb. 3.50 - 4.25
natural, Italian, cns.....lb. 5.00 - 6.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb .95 - 1.76
rectified, cns. .....lb. No stocks.
Bois de rose, Brazil, cns.....lb. 3.00 - 5.50
Mexican (see Oil, lignaloe wood).
Bone dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.50 - 2.90
redistilled, USP IX, cns.....lb. 2.35 - 3.40
Calamus, cns. .....lb. 20.00 -28.00
Camphor, natural, white, cns.....lb. .20 - .75
synthetic, dms, ...lb .15 - .35
Cananga natural, cns.....lb. 6.05 - 9.10
rectified, cns. .....lb. 9.35 -12.00
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns.....lb 5.50 - 6.50
Cardamom, bots. .....lb. 23.50 -31.50
Cassia, USP, cns. .....lb. 2.40 - 3.75
Castor, blown, ret. dms., c.l.....lb. .30 - .30½
l.c.l. .....lb. .31 - .31½
cold-pressed, USP, ret. dms., c.l., lb. .28¼- —
l.c.l. .....lb. .29¼- —
tanks .....lb. .27 - .27¼
dehydrated, bodied, dms., c.l....lb. .30¾- —
l.c.l. .....lb. .31½- —
tanks .....lb. .30 - —
unbodied, dms., c.l.....lb. .28¾- —
l.c.l. .....lb. .30½- —
tanks .....lb. .29 - —



● If you have not had personal experience with Spencer Kellogg's DRISOY you may find it difficult to associate soybean oil with the hardness and durability of the traditional drying oils.

The fact is that the finished paint, varnish or enamel films of DRISOY are very similar to those of linseed to the sight or to the touch. Its weathering quality is also equal, proven both on test fence panels and on house painting. In resistance tests with water and alkali, DRISOY is also the equivalent of linseed oil.

DRISOY reactions are compatible with standard production processes and with resins and pigments. Write for the Kellogg Technical Service Department's published data on DRISOY applications.

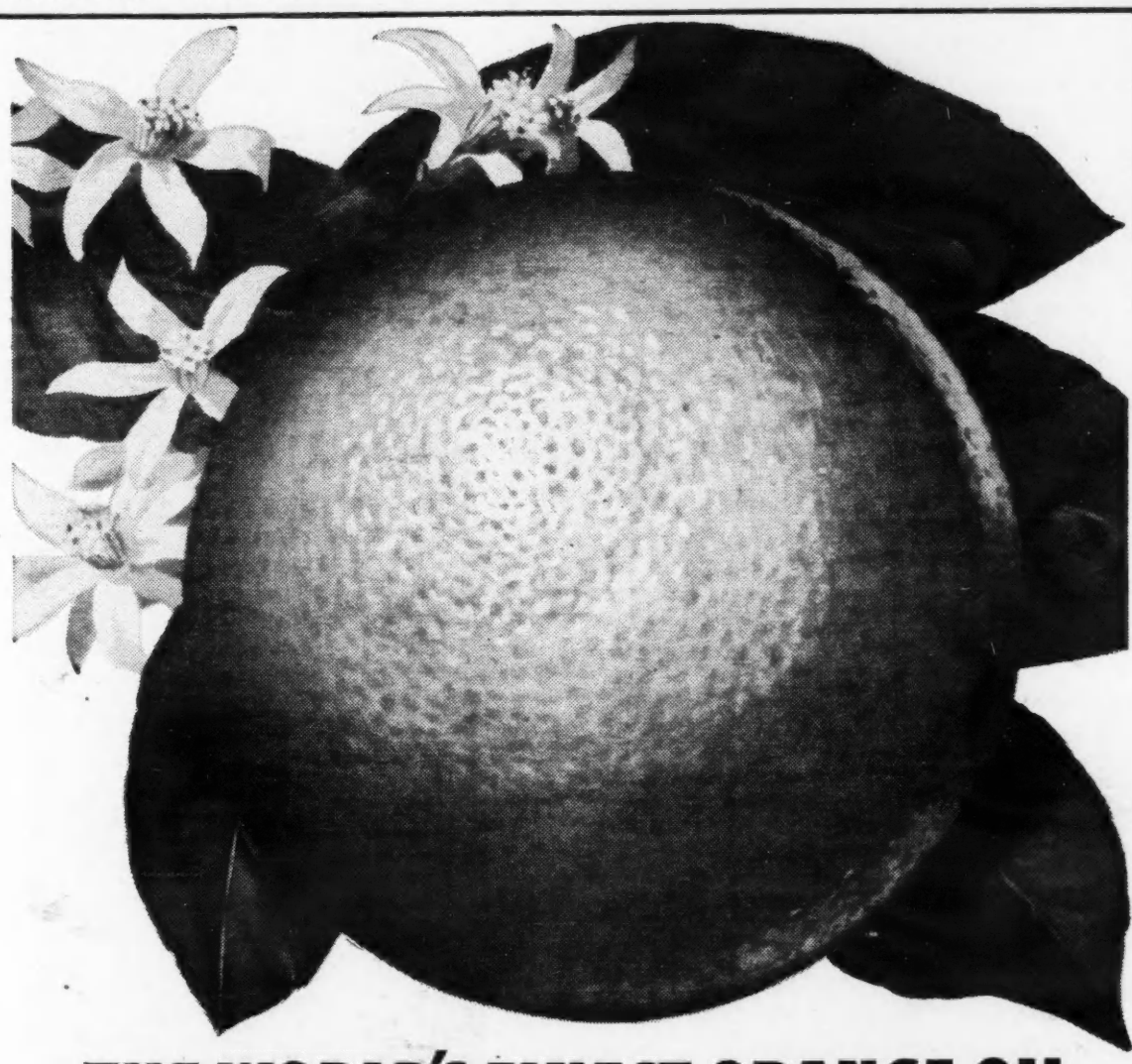
SPENCER KELLOGG AND SONS, INC.

BUFFALO 5, N. Y.

THE FIRST NAME IN VEGETABLE OILS

Oil, castor, No. 3, tech., dms., c.l..lb. .27½- —
l.c.l. .28¼- —
tanks .26½- —
sulphonated, 50% (48% fat), dms. lb. .16½- .17½
75% (60-62% fat), dms. lb. .23 - .24
Cedarleaf, USP, cns., dms. lb. 2.15 - 2.85
Cedarwood, cns. lb. .65 - .95
dms. lb. .65 - .85
Celeryseed, bots. lb. 15.00 -20.00
Chaulmoogra, NF, cns., dms. lb. .56 - —
Chinawood (see Oil, tung).
Cinnamon bark, bots. lb. 52.50 -62.00
Leaf, Ceylon lb. 1.50 - —
Seychelle lb. 1.20 - —
Citronella, Ceylon, cns. lb. .80 - 2.75
Java, cns. lb. 1.25 - 4.75
Clove, USP, cns. lb. 1.38 - 1.70
Coconut, crude, tanks, Atlantic ports. lb. .27 - —
Pac. coast lb. .26 - —
refined, Cochin type, tax incl., dms., c.l. lb. .30½ Nom.
deodorized, tax incl., dms., l.c.l. lb. .33 Nom.
Cod, Newfoundland, dms. lb. .22 - —
Codliver, USP, dms. gal. 2.40 - 3.50
Coriander, bots. lb. 28.00 -35.00
Corn, crude, tanks, works. lb. .30 - .31
foots, acid, 95%, tanks, dlvd. E. lb. .11½- —
raw, 50%, tanks, dlvd. E. lb. .05¼- —
refined, tanks, works lb. .35 Nom.
Cottonseed, crude, tanks, works. lb. .28 - —
foots, acid 95%, tanks, dlvd. E. lb. .11½- —
raw, 50%, tanks, dlvd. E. lb. .05¼- —
deodorized, winterized, salad, dms., c.l. lb. .36 - —
l.c.l. lb. .37 - —
tankcars lb. .35 - —
Creosote (see C).
Croton, NF, cns. lb. 4.75 - 5.50
Cubeb, USP, cns. lb. 6.75 -10.00
Crude (see Petroleum, crude).
Cumin, bots. lb. 6.25 -11.50
Cypress, bots. lb. 11.00 -15.00
Degras (see D).
Dillseed, bots. lb. 4.25 - 7.00
Dillseed, bots. lb. 6.50 - 7.00
Dip (see D).
Erigeron, USP, cns. lb. 2.30 Nom.
Eucalyptus, rect., USP, 80-90%, cns. lb. 1.05 - 1.4
70-80%, cns. lb. .95 - 1.3
Fennel, sweet, cns. lb. 3.05 - 4.5
Fir, Canada, cns. lb. 2.25 - 2.7
Fishliver, 8,000-15,000 A units per gram., dms., Pacific Cst., per million units. .16 - —
15,000-30,000 units, dms., Pacific Cst., per million units. .22 - —
30,000-60,000 units dms., Pacific Cst., per million units. .22 - 2
60,000-100,000 units, dms., Pacific Cst., per million units. .27 - —
100,000 to 150,000 units, dms., Pacific Cst., per million units. .27 - .3
150,000 to 200,000 units, per million units. .34 - —
concentrates 500,000 A units, per gram., dms., Pacific Cst., per million units. .35 - .3
1,000,000 A units, per million units. .38 - .4
Fish oil prices include the 1894 conversion factor
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots. oz. 15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb. 15.25 -21.00
Bourbon, cns. lb. 11.50 -14.50
Russian, cns. lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots. lb. 8.00 -13.00
Grapefruit, Florida, cns. lb. 2.25 - 2.50
California, bots, cns. lb. 1.70 - 2.60
Grease, common, No. 1, dms. lb. .32½- .33½
extra, winter, strained, dms. lb. .33 - .34
prime, burning, dms. lb. .34 - .35
Guaiacwood, cns. lb. 2.05 - 4.15
Hemlock, cns. lb. 2.25 - 2.75
Herring, crude, tanks, Pac. coast. lb. No prices
Juniper berry, com., bots. lb. 6.00 -12.50
imported, USP lb. 7.50 -12.00
Tar, USP (see Juniper tar).
Wood, tech., cns. lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots. lb. 20.00 Nom.
Lavandin, cns. lb. 1.75 - 3.75
Lavender flower, French, 38-42° ester. lb. 7.00 -10.15
30-32% ester lb. 4.25 - 8.00
Russian, 25-lb. lb. 11.75 - —
Spike, Spanish, pure, cns. lb. 1.50 - 2.25
tech., cns. lb. 1.75 - 2.78
Lemon, natural, USP, Calif., cns. lb. 3.10 - 3.60
Messina, cns. lb. 3.50 - 4.05
terpeneless, bots. lb. 40.00 -50.00
Lemongrass, cns., dms. lb. 1.35 - 2.30
Lignaloe seed, Mexican, cns. lb. 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose)
Mexican, cns. lb. 3.50 - 5.20
Lime, distilled, Mexican, cns. lb. 3.80 - 5.15
West Indian, cns. lb. 4.25 - 6.30
expressed, West Indian, cns. lb. 9.50 -11.75
terpeneless, bots lb. 35.00 -45.00
Linseed, raw, dms., c.l. lb. .3468- —
l.c.l. lb. .3580- .3580
tankcars lb. .3360- —
tankwagon lb. .3380- —
Boiled linseed oil .007 higher than raw
Linseed replacement, dms. lb. .25 - 26
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks. gal. .285 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks. gal. .21 - 22
200 vis., No. 3, col., 15-25 pour, tanks. gal. .18 - 19
145-175 vis., No. 3, color, 10-25 pour, tanks. gal. .285 - —
Penna., W. cylinder, 600-680 flash, tanks. gal. .33 - 38
600-650 steam refd., tanks, gal. .37 - —
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks. gal. .37 - 39
200 vis., 25 pour, tanks. gal. .39 - 41
South Texas, neutral, pale 200 vis., 2¼-4 pour, tanks. gal. .11 - 12
red, 200 vis., 4-6½ pour, tanks. gal. .11- .12½
Mace, dist., cns., dms. lb. 5.20 - 8.75
Mandarin, Brazilian, cns. lb. 5.75 - 8.40
Italian, cns. lb. 8.50 -10.00
Menhaden, crude, tanks, Balto. lb. .22 Nom.
refined, alkali, dms., l.c.l. lb. .2780- —
kettle-bodied, dms., l.c.l. lb. .2960- —
light-pressed, dms., l.c.l. lb. .2640- —
tanks lb. .25 - —
Mineral, white (see Oil, white mineral).
Mirbane (see Nitrobenzene).
Mustard, synthetic, USP, cns. lb. 1.45 - 1.70
Seed, exp., dms. lb. .20½ Nom.
Neatsfoot, 15°, dms. lb. .50 Nom.
20°, dms. lb. .48 Nom.
30°, dms. lb. .47 Nom.
Neroli, French, bots. lb. 195.00 -350.00
Haitian, bots. lb. 180.00 -200.00
Nutmeg, cns. lb. 5.20 - 8.75
Ocotea cymbarum, dms. lb. .75 - 1.15
Oiticica, liquid, dms., c.l. lb. .26 - —
l.c.l. lb. .26½- —
tanks lb. .25 - —
Oleo, extra, tes., Chicago lb. .32 Nom.

Oil, olibanum, bots. lb. 4.50 - 6.25
extra fine lb. 6.25 -10.50
Olive, denat., dms. gal. No stocks
edible, Calif., dms. gal. 5.25 Nom.
imported, dms. gal. 5.50 - 6.10
foots, dms., c.l. lb. No prices
tankcars lb. No prices
sulphonated, 50% (40% fat), dms., c.l. lb. No stocks
l.c.l. lb. No stocks
75% (62% fat), dms., c.l. lb. No stocks
l.c.l. lb. No stocks
Orange, sweet, natural, dist., cns. lb. .80 - 1.25
expressed, USP, Brazilian, cns. lb. 1.40 - 1.95
Calif., cns. lb. 1.70 - 2.10
Florida, cns., dms. lb. 1.40 - 1.85
Messina, coppers. lb. 4.50 - 5.50
West Indian, cns. lb. 2.25 - 3.75
sesquiterpeneless, bots. lb. 80.00 -135.00
Origanum, Spanish, cs. lb. 3.20 - 3.50
Palm, Niger, dms. lb. No prices
Palmarosa, cns. lb. 6.00 - 9.00
Palmkernel, crude, bulk, c.i.f., N. Y. lb. No prices
Paraffin, pale, 100-110 vis. at 100° F. tanks, works. gal. .10 - —
Patchouli, cns. lb. 13.25 -45.00
Peanut, crude, tanks, works. lb. .30 - .31
foots, acid, 95%, tanks, dlvd. E. lb. .11½ Nom.
raw, 50%, tanks, dlvd. E. lb. .05¼ Nom.
refined, tanks, mills lb. .35 Nom.
Pennyroyal, USP, dom., dms., cns. lb. 3.80 - 4.75
Import, cns. lb. 3.80 - 5.00
Peppermint, natural, dms. lb. 7.80 - 8.75
redist., USP, dms. lb. 8.35 - 9.25
Perilla, crude, dms. lb. No stocks
Oil, petitgrain, Paraguay, cns. lb. 3.25 - 4.30
Pimento berry, dms. lb. 4.25 - 6.50
leaf, cns. lb. 1.75 - 3.25
Pine, dest. dist., dms. incl., c., works, South. gal. .70 - —
l.c.l., works, East gal. .79 - —
tanks, works, South gal. .61 - —
steam-dist., dms., ex whse., East. lb. .11 - —
Pineneedle, Canadian, 25-lb. cans. lb. 2.20 - —
Siberian, cns. lb. 3.05 - 3.75
Swiss, 25-lb. cans. lb. 4.00 -14.50
Putty, petroleum, heavy, dms. gal. .18 - —
tankwagon gal. .13½- —
light, dms. gal. .16½- —
tankwagon gal. .12½- —
Rapeseed, tankcars lb. .32 - —
Red, single dist., dms. lb. .31¾- .32¾
tanks lb. .30½- —
double dist., dms. lb. .34¼- .35¼
tanks lb. .33 - —
Rose, natural, coppers oz. 16.00 -40.50
Rosemary, Spanish, tech., cns., dms. lb. .90 - 1.50
USP, cns., dms. lb. 1.15 - 1.60
Rosin, 1st rectified, dms. gal. .66 - —
2d rectified, dms. gal. .68 - —
3d rectified, dms. gal. .78 - —
Rue, bots. lb. 4.65 - 5.50
Sage, Dalmatian, cns. lb. 4.50 - 5.50
Spanish, cns. lb. 1.90 - 3.50
Sandalwood, NF, Mysore, cns. lb. 13.75 -22.50
Sardine, crude, tanks, Pac. coast, lb. .24 Nom.
refined, alkali, dms., l.c.l. lb. .2780- —
kettle-bodied, dms., l.c.l. lb. .2960- —
light-pressed, dms., l.c.l. lb. .2640- —
tanks lb. .25 - —
Oil, sassafras, artificial lb. .80 - 1.25
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms. lb. 1.90 - 2.30
Savin, cns. lb. 5.75 -13.50
Savory, cns. lb. 8.00 - —
Seal, No. 1, tanks, U. S. ports. lb. No prices
Sesame, tanks. lb. No prices
Shingle stain, bbls., c.l., works. gal. .2185- —
l.c.l., works gal. .25 - .29
tanks, works gal. .15 - .16
Snakeroot, Canada, cns. lb. 17.50 -21.00
Soybean, crude, tanks, mills. lb. .28½- —
foots, acid, 95% tanks, dlvd. E. lb. .11½ Nom.
raw, 50%, tanks, dlvd. E. lb. .05¾ Nom.
refined, alkali, dms., c.l. lb. .3167- —
l.c.l. lb. .3220- .3220
tanks lb. .3067- —
clarified, dms., c.l. lb. .3017- —
l.c.l. lb. .3070- .3110
tanks lb. .2917- —
winterized, ref., tankcars, works. lb. .33 Nom.
Spearmint, dms. lb. 7.50 -10.00
Sperm, bleached, 38°, dms. lb. .2670- —
natural, 45°, dms. lb. .25½- —
Spruce, cns., dms. lb. 2.25 - 2.75
Sunflower-seed, imp., refined, tanks, lb. No prices
semi-refined, tanks lb. No prices
Sweet birch, Northern, cns. lb. 4.50 - 8.00
Southern, cns. lb. 2.50 - 3.25
Tall, crude, tanks, works. ton. 40.00 -45.00
refined, dms., c.l., works. lb. .06¾- —
l.c.l., works lb. .07¼- —
tanks, works lb. .05¾- —
Tallow, acidless, dms. lb. .32½- —
Tansy, cns. lb. 11.00 -14.00



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Made exclusively from oranges from the Sunkist Groves of California.

Exchange Oil of Orange gives you more *real orange flavor*, drop for drop or pound for pound, than any other orange oil.

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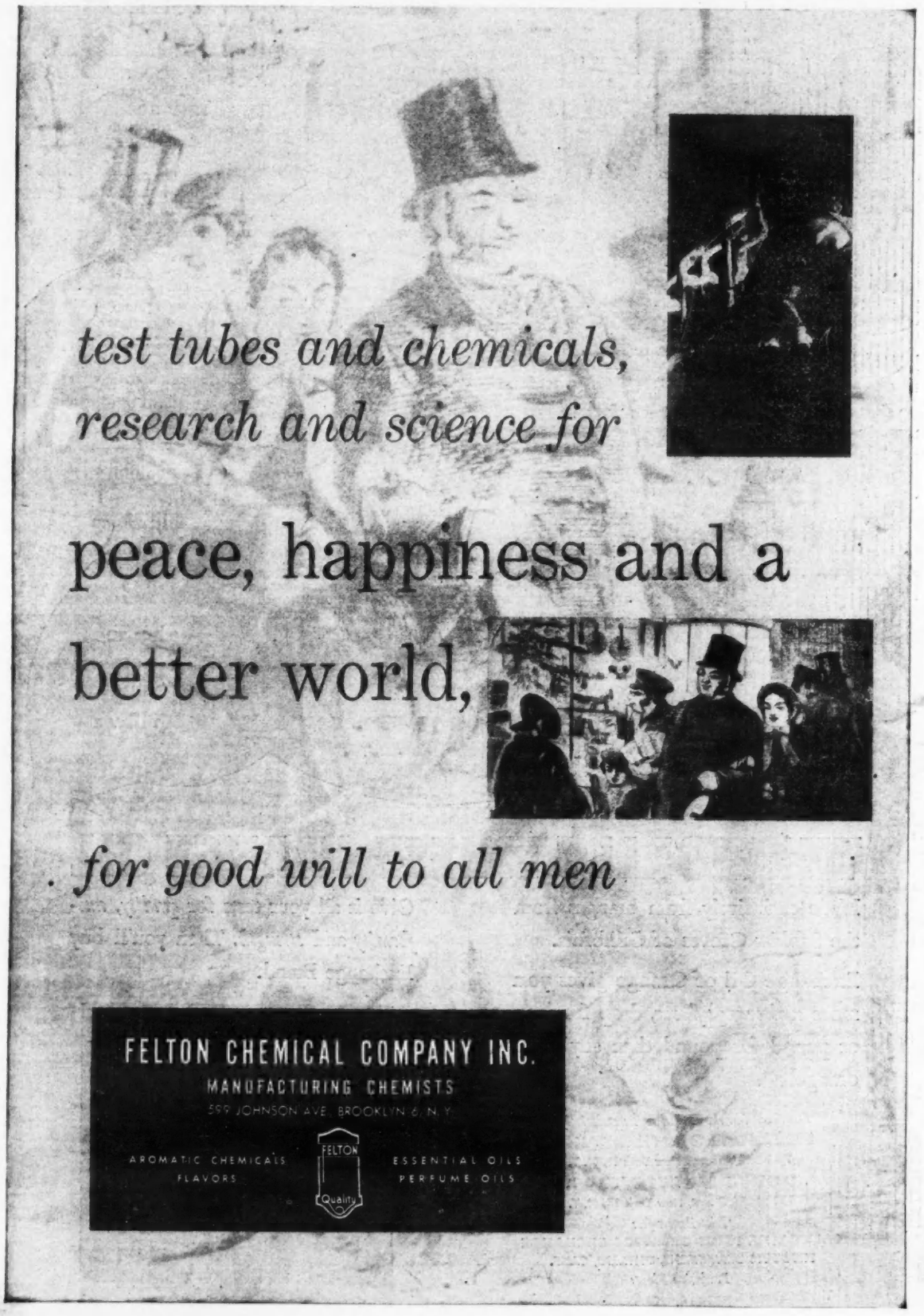
OIL OF
ORANGE
U. S. P.

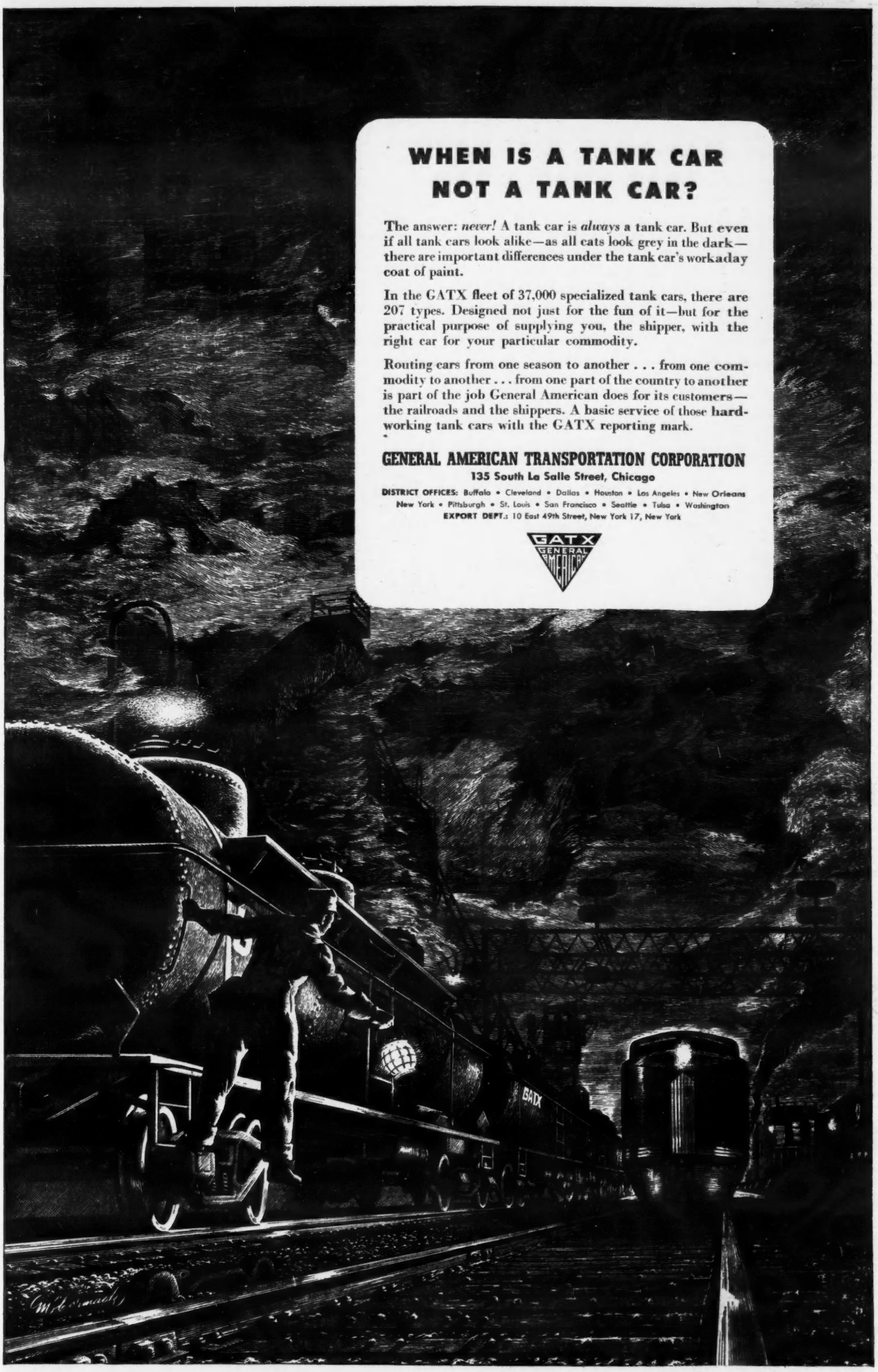
Oil, Tar, Pine—Perchlorethylene

Oil, tar, pine, crude, dms., incl., c.l., works, South..gal. .39 - —
l.c.l., works, South.....gal. .40½- .41
tanks, works, South.....gal. .39 - —
rectified, USP, l.c.l., dms., incl., works, South..gal. .60 - —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.60 - 3.35
white, cns. .....lb. 2.85 - 3.80
technical, white, cns.....lb. .35 - 1.00
Tung, dms., c.l.....lb. .28 - —
l.c.l. .....lb. .28½- —
tanks .....lb. .26½- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF cns., dms. .....lb. .35 - .50
Vetiver, Bourbon, cns.....lb.31.50 -38.00
Haitian .....lb.28.50 -33.00
Whale, ref., natural, dms.....lb. No stocks
Winter-bleached, dms.....lb. No stocks
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50 vis., non-ret. dms., c.l., San Francisco.gal. .51½- —
l.c.l., S.F.....gal. .53½- .56½
50-60 vis., dms., c.l., N. Y....gal. .44½- —
l.c.l., N.Y.....gal. .48 - .49
65-75 vis., dms., c.l., N.Y.....gal. .45 - .47
l.c.l., N.Y.....gal. .48 - .52
70 vis., non-ret. dms., c.l., S.F. gal. .51½- —
l.c.l., S.F.....gal. .53½- .56½
USP, 80-90 vis., dms., c.l., N.Y.. gal. .51 - —
l.c.l., N.Y.....gal. .55 - .56
Oil, white mineral, USP, 85 vis., non-ret. dms., c.l., S.F..gal. .51½- —
l.c.l., S.F.....gal. .53½- .56½
100 vis., non-ret. dms., c.l., S.F. gal. .59 - —
l.c.l., S.F.....gal. .61 - .64
125-135 vis., dms., c.l., N.Y..gal. .61 - .63
l.c.l., N.Y.....gal. .64 - .68
145 vis., non-ret. dms., c.l., S.F. gal. .68 - —
l.c.l., S.F.....gal. .70 - .76
145-155 vis., dms., c.l., N.Y..gal. .63 - .65
l.c.l., S.F.....gal. .66 - .73
175-185 vis., dms., c.l., N.Y..gal. .66 - —
l.c.l., N.Y.....gal. .68 - .73
180 vis., non-ret. dms., c.l., S.F. gal. .70 - —
l.c.l., S.F.....gal. .72 - .75
200-210 vis., dms., c.l., N.Y..gal. .70 - .72
l.c.l., N.Y.....gal. .73 - .76
340-350 vis., dms., c.l.; N.Y..gal. .80 - —
l.c.l., N.Y.....gal. .80 - .85
340 vis., non-ret. dms., c.l., S.F. gal. .83 - —
l.c.l., S.F.....gal. .85 - .88
Wintergreen, natural, Northern cns. .....lb. 6.35 -17.25
Southern, cns.....lb. 3.65 - 6.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns.....lb. 4.00 - 5.50
Wormwood, cns.....lb. 9.25 -13.50
Ylang-Ylang, Bourbon, extra, bots.lb.14.00 -25.00
first, bots.....lb.12.50 -14.50
second, bots.....lb. 8.00 - 9.50
third, bots.....lb. 5.25 - 7.50
Oleostearin, trcs.....lb. .29½ Nom.
Olivine, aggregate, c.l., mines....ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. .....ton.10.00 - —
paper, bgs., c.l., works.....ton.12.00 - —
lumps, bulk, c.l., works.....ton. 7.00 - —
Opium, USP, cns.....lb.21.30 -21.55
gran., USP, cns.....lb.22.70 -22.95
powd., USP, cns.....lb.22.70 -22.95
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies..lb. 1.00 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .26 - —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dinitroanilin toner.....lb. 1.15 - —
Molybdate, bbls.....lb. .59 - —
Orthonitroanilin toner, bbls., kgs., works..lb. .90 - .95
Persian, bbls.....lb. .30 - .45
Orange flowers, bls.....lb. .46 - .48
Orange mineral, American, bbls., 5 tons, ship't point, frt. alld....lb. .20½- —
smaller lots, bbls., same basis. .....lb. .21 - —
Orange peel, bitter, Haitian, bls..lb. .13 - .14
Sweet, bls.....lb. .14 - .16
Oregano, Mexican, bgs.....lb. .16 - .16½
Portuguese, bgs., afloat.....lb. .16 - .16½
Spanish, bgs.....lb. .20 - .21
Orris root, Florentine, bls.....lb. .34 - .35
powdered, bbls., bxs.....lb. .36 - .37
Verona, bls.....lb. .22 - .23
powdered, bbls., bxs.....lb. .24 - .25
Orthoaminobiphenyl dms., c.l., works. .....lb. .24 - —
l.c.l., same basis.....lb. .23¼- —
tanks, same basis.....lb. .22 - —
Orthoamylphenol, dms., l.c.l., works. .....lb. .37 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms., 10,000 lbs. or more..lb. .53 - —
smaller lots.....lb. .55 - .60
Orthochloroparanitroanilin, dms., works. .....lb. .57½- —
Orthochlorophenol, dms.....lb. .37 - —
Orthocresol, pure, 30°, dms., c.l., works..lb. .26½- —
l.c.l., works.....lb. .27 - —
tech., 29°-30°, dms., c.l., works..lb. .25 - —
l.c.l., works.....lb. .25½- —
Orthodichlorobenzene, dms., c.l., wks., frt. alld. E. of Rockies..lb. .07½- .08
l.c.l., same basis.....lb. .09½- .10½
tanks, same basis.....lb. .07 - —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthonitroanilin, dms.....lb. .43 - .55
Orthonitrochlorobenzene, dms.....lb. .15 - .18
Orthonitrobiphenyl, tech., dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
Orthonitroparachlorophenol, cns.....lb. .75 - —
Orthonitrophenol, dms.....lb. .66 - —
Orthonitrotoluene, dms.....lb. .08 - .09
Orthophenetidin, dms.....lb. .90 - —
Orthotolidin, distilled, kgs.....lb. 1.00 - —
Orthotoluidin, dms.....lb. .18 - .21
Osage orange crystals, bbls.....lb. .32 - —
Extract, No. 1, bbls.....lb. .15 - —
Ouabaine, USP, bots.....gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 6.40 - —
smaller lots, works.....lb. 6.55 - 7.40

P

Papain, powd., cs.....lb. 5.75 - 6.75
Papaverine, natural or synthetic, hydrochloride, N.F., cns., 1,000-oz. lots, oz. 6.60 - —
smaller lots.....oz. 6.30 - 6.50
Sulphate, cns.....oz. 7.10 - 7.35
Paprika, Chilean, bgs.....lb. .32 - .33
Portuguese, bgs.....lb. .40 - .41
Spanish, bgs.....lb. .42 - .44
Para-anisidin, dms., works.....lb. .75 - —
Parachlorophenol, dms., c.l., works..lb. .25 - —
l.c.l., works.....lb. .27½- .29
Parachloroanilin, dms., frt. alld. E. Miss..lb. .65 - —
Paracresol, 98%, dms., works.....lb. .41 - .65
Paracymene, dms., c.l., works.....lb. .1595- —
l.c.l., works.....lb. .1645- —
tanks, works.....lb. .1545- —
Paradibromobenzene, bgs., 500-lb. lots, works..lb. .45 - —
Paradichlorobenzene, dms., c.l., works. .....lb. .12½- —
l.c.l., same basis.....lb. .14 - —
Paraffin, crude, scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery..lb. .065- .09
fully ref'd, slabs, 117-119 ASTM, loose, c.l., refy..lb. .05 - —
123-125 ASTM, loose, c.l., refy..lb. .0685- —
125-127 ASTM, loose, c.l., refy..lb. .0715- —
128-130 ASTM, loose, c.l., refy..lb. .0740- —
130-132 ASTM, loose, c.l., refy..lb. .0770- —
133-135 ASTM, loose, c.l., refy..lb. .0795- —
135-137 ASTM, loose, c.l., refy..lb. .0840- —
Prices in bags ¾c. lb. higher; l.c.l. prices 1½c. lb. higher.
Paraformaldehyde, dms., 1,000 lbs., works..lb. .21 - —
smaller lots, works.....lb. .22 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works..lb. .12½- .13½
5-10-gal. dms., l.c.l., works...lb. .16½- —
tanks, works.....lb. .11 - —
USP, chys.....lb. .37 - .40
Paranitroanilin, kgs., works.....lb. .41 - .43
Paranitrochlorobenzene, kgs., works.lb. .15 - —
Paranitrophenol, kgs., works, frt. equald..lb. .35 - —
Paranitrotoluene, kgs., works.....lb. .30 - —
Paraphenylphenol, bgs., works.....lb. .25 - .26
Paraphenylenediamine, tech., kgs., works..lb. 1.25 - —
Para-tertiary-butylphenol, bgs., works. .....lb. .19 - .20
Paratoluenesulphonamide, bbls., works. .....lb. .70 - —
Paratoluidin, bbls., works.....lb. .46½- .53
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E. .....lb. .31 - —
l.c.l., same basis.....lb. .32 - .33
Passion flower herb, bls.....lb. .35 - .40
Patchouli leaves, bls.....lb. .38 - .40
Pectin, citrous, bbls.....lb. 1.25 - —
Penicillin, amorph, calcium, bulk, 1,000,000,000 units..
100,000 units. .14 - —
sodium, bots.....100,000 units. .25 - —
bulk, 1,000,000,000 units.
100,000 units. .16 - —
cryst., sodium, bots..100,000 units. .32 - .53
Pennyroyal leaves, bls.....lb. .24 - .25
Pentachlorophenol, dms., works....lb. .20 - .25
Pentaerythritol, tech., bbls., c.l., works..lb. .32 - —
l.c.l., works.....lb. .34 - .36
Pentane, 28°-38° C., industrial, dms., c.l., group 3..gal. .11 - .14
l.c.l., dms., group 3.....gal. .17 - .30
tanks, group 3.....gal. .07½- .08
Pepper, black, bgs.....lb. .54 - .55
futures, bgs., nearby.....lb. .52 - .53
distant .....lb. .43 - .44
Red, capsicum, Louisiana longs, bgs., shipment point..lb. .18 Nom.
Mississippi sports, bgs., source, lb. .21 - .21½
Mombasa, bgs. .....lb. .40 - .41
Niger, bgs. .....lb. .18 - .18½
birdseye, bgs. .....lb. .34 - .35
Sierra Leone, futures.....lb. .23 - .23½
Chillies, Haitian, bgs.....lb. No stocks
Mexican, long.....lb. No stocks
White, bgs. .....lb. .58 - .59
Peppermint, USP, dom., bls.....lb. .75 - .80
imported, bls.....lb. .80 - .85
Perchloroethylene, dms., c.l., zone 1, works, frt. alld..lb. .10¾- —
zone 2, same basis.....lb. .11¼- —
zone 3, same basis.....lb. .11¾- —
zone 4, same basis.....lb. .11¼- —
l.c.l., zone 1, same basis.....lb. .11½- —
zone 2, same basis.....lb. .12 - —
zone 3, same basis.....lb. .12½- —
zone 4, same basis.....lb. .12 - —
tanks, zone 1, same basis.....lb. .10¼- —
zone 2, same basis.....lb. .10¾- —
zone 3, same basis.....lb. .11¼- —
zone 4, same basis.....lb. .10¾- —
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.




WHEN IS A TANK CAR
NOT A TANK CAR?
The answer: *never!* A tank car is *always* a tank car. But even if all tank cars look alike—as all cats look grey in the dark—there are important differences under the tank car's workaday coat of paint.
In the GATX fleet of 37,000 specialized tank cars, there are 207 types. Designed not just for the fun of it—but for the practical purpose of supplying you, the shipper, with the right car for your particular commodity.
Routing cars from one season to another . . . from one commodity to another . . . from one part of the country to another is part of the job General American does for its customers—the railroads and the shippers. A basic service of those hard-working tank cars with the GATX reporting mark.
GENERAL AMERICAN TRANSPORTATION CORPORATION
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GATX
GENERAL AMERICAN
GATX

Peru Balsam—Phosphate Rock, Florida

Peru balsam, dms.....lb. .85 - .90
Petrolatum, tech., dark, bbls., c.l., group 3..lb. .021 - —
Pennsylvania refy.....lb. .045 - —
golden topaz, bbls., c.l.....lb. .032 - —
l.c.l. .....lb. .036 - —
red, veterinary, bbls., c.l.....lb. .024 - —
l.c.l. .....lb. .028 - —
USP, amber, non-ret. dms., c.l...lb. .04¼ - —
Pennsylvania refy.....lb. .04⅞ - —
l.c.l. .....lb. .05¼ - —
cream, c.l., dms.....lb. .06 - —
l.c.l. .....lb. .07½ - —
extra amber, dms., c.l.....lb. .04½ - —
l.c.l. .....lb. .05½ - —
white, lily, dms., c.l.....lb. .06¼ - —
l.c.l. .....lb. .07¾ - —
snow, dms., c.l.....lb. .07¼ - —
Pennsylvania refy.....lb. .08½ - —
l.c.l. .....lb. .09¾ - —
California, refy.....lb. .11¾ - —
soft, dms., c.l.....lb. .06 - —
Pennsylvania refy.....lb. .07⅛ - —
l.c.l. .....lb. .07 - —
California refy.....lb. .1075 - —
yellow, soft, dms., c.l.....lb. .04¾ - —
Pennsylvania refy.....lb. .04⅞ - —
l.c.l. .....lb. .05⅝ - —
California refy.....lb. .09 - —
Petroleum, crude, bulk, at wells, California..bbl. 1.28 - 2.48
Illinois .....bbl. 2.15 - 2.27
Kentucky .....bbl. 2.10 - 2.27
Louisiana-Arkansas .....bbl. 1.64 - 2.38
Montana .....bbl. 2.00 - 2.275
Petroleum, crude, bulk, at wells, Oklahoma-Kansas..bbl. 1.73 - 2.15
Pennsylvania, lower field...bbl. 4.50 - —
Upper field.....bbl. 2.60 - 4.50
Texas, East.....bbl. 2.15 - —
Gulf coast.....bbl. 1.88 - 2.38
North, North Central.....bbl. 1.73 - 2.15
Panhandle .....bbl. 1.73 - 2.15
West .....bbl. 1.60 - 2.02
Wyoming .....bbl. 1.40 - 2.15
Ether, laboratory, 30°-60° C, cns., dlvd. E..gal. 1.50 - —
dms., c.l., group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E..gal. 1.50 - —
dms., c.l., Group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E..gal. 1.50 - —
dms., c.l., Group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
Fuel oil, bunker C (No. 6), California, heavy, tanks, refinery.bbl. 1.75 - 1.80
light, tanks, refinery.....bbl. 1.95 - 2.00
Eastern, tanks, Albany, N. Y.. bbl. 2.72 - —
Baltimore, Md.....bbl. 2.22 - 2.52
Boston, Mass.....bbl. 2.25½ - 2.56½
Charleston, S. C.....bbl. 2.13 - —
Jacksonville, Fla.....bbl. 2.08 - 2.18
New York, N. Y.....bbl. 2.22 - 2.52
Norfolk, Va.....bbl. 2.18 - 2.28
Philadelphia, Pa.....bbl. 2.22 - 2.52
Portland, Me.....bbl. 2.26½ - 2.56½
Providence, R. I.....bbl. 2.23½ - 2.53½
Savannah, Ga.....bbl. 2.13 - 2.23
Oklahoma, tanks, refinery....bbl. 2.00 - 2.40
Petroleum, fuel oil, diesel, tanks, refinery, California..gal. .0765- .0815
Pennsylvania .....gal. .0875- .1000
Furnace, tanks, refinery, Arkansas, No. 2..gal. .07625- —
No. 3 .....gal. .07375- —
Bayonne, N. J., No. 2....gal. .072 - —
Group 3, No. 1.....gal. .06875- .07625
No. 2, straw.....gal. .06625- .0725
No. 3.... .....gal. .06875- .0725
Oklahoma, No. 1, w.w.....gal. .06875- .07625
No. 1, straw.....gal. .07375- .07625
No. 2, straw.....gal. .06625- .0825
No. 3.....gal. .07375- —
range .....gal. .0700- .0725
Pennsylvania, No. 1.....gal. .06125- .0725
No. 2.....gal. .069 - .10
No. 3.....gal. .0875- .0950
Lacquer diluent, California, 190 i.b.p., 200 e.p., tanks, dlvd., Los Angeles..gal. .118 - —
Portland, Ore.....gal. .128 - —
San Francisco.....gal. .11½ - —
Seattle, Wash.....gal. .128 - —
East coast, tanks, N. J. and N. Y. refinery..gal. .14 - —
Group 3, benzol-type, tanks, refinery..gal. .1075- .11125
toluol-type, tanks, refinery...gal. .10375- .10625
Mineral spirits, California, tanks, San Francisco, 170-250 b.r...gal. .123 - —
205-290 b.r.....gal. .123 - —
244-362 b.r.....gal. .123 - —
307-360 b.r.....gal. .113 - —
312-402 b.r.....gal. .113 - —
362-458 b.r.....gal. .113 - —
Petroleum, mineral spirits, East coast, tanks, N. J., N. Y., refinery, gal. .12½ - —
Group 3, tanks, refinery.....gal. .08875- .09375
Gulf coast, tanks, refinery....gal. .0875- —
tankwagon, Baltimore.....gal. .16 - —
Boston .....gal. .145 - —
Buffalo .....gal. .15 - —
Camden, N. J.....gal. .135 - —
Chicago .....gal. .169 - —
Detroit .....gal. .192 - —
Kansas City, Mo.....gal. .165 - —
Lancaster, Pa.....gal. .145 - —
Newark .....gal. .135 - —
New York.....gal. .135 - —
Philadelphia .....gal. .135 - —
Pittsburgh .....gal. .15 - —
Providence .....gal. .15 - —
Rochester .....gal. .16 - —
St. Louis.....gal. .171 - —
Syracuse .....gal. .17 - —
Washington, D. C.....gal. .16 - —
Naphtha, cleaners, California, tanks, San Francisco..gal. .123 - —
East coast, tanks, N. J., N. Y., refinery..gal. .12½ - —
Group 3, tanks.....gal. .08875- .10375
tankwagons, St. Louis.....gal. .1470- —
tankwagon, Newark.....gal. .12½ - —
Chicago .....gal. .14¼ - —
Detroit .....gal. .15½ - —
New York.....gal. .12 - .13
Philadelphia .....gal. .125 - —
High-flash, 140° F, group 3 refinery, tanks..gal. .13 - .13½
High-solvency, tanks, refinery, N. J., 200-285 b.r., 37-38° C., mixed anilin pt..gal. .18 - .18½
26°C m.a.p.....gal. .20 - —
270-370 b.r., 78-81 m.a.p. gal. .21 - —
19°C m.a.p.....gal. .23 - —
305-400 b.r., 26-30°C m.a.p. gal. .21¼ - .21½
340-440 b.r., 32°C m.a.p. gal. .21½ - —
26°C m.a.p.....gal. .25½ - —
V.M.&P., at refinery, California, 46.5, 254-380 b.r., tanks, El Segundo..gal. .12 - —
Richmond .....gal. .12½ - —
Portland, Ore., Seattle, Wash..gal. .12 - —
64-77, 190-310 b.r., tanks, Los Angeles..gal. .11 - —
San Francisco.....gal. .11½ - —
Portland, Seattle.....gal. .12 - —
East coast, N. J., N. Y., tanks, gal. .13½ - —
Group 3, tanks.....gal. .08875- .10375
Gulf coast, tanks, New Orleans..gal. .10 - —
tankwagon, Boston.....gal. .155 - .16
Chicago .....gal. .172 - —
Detroit .....gal. .184 - —
Milwaukee .....gal. .188 - —
Minneapolis .....gal. .177 - —
Newark .....gal. .16 - —
New York .....gal. .145 - —
Philadelphia .....gal. .15 - —
Pittsburgh .....gal. .16 - —
St. Louis .....gal. .181 - —
Solvent, rubber, at refinery California, tanks, San Francisco..gal. .115 - —
East coast, N. J., N. Y., gal. .13½ - —
Group 3, tanks.....gal. .08875- .10375
Stoddard (C.S. 8-38), at refinery, California tanks, San Francisco..gal. .12 - —
East coast, N. J., N. Y., tanks..gal. .12½ - —
Group 3, tanks.....gal. .09375- .10125
Pennsylvania, western, tanks, gal. .10 - —
tankwagon, Boston .....gal. .14 - —
Chicago .....gal. .15½ - —
Detroit .....gal. .17½ - —
Milwaukee .....gal. .16½ - —
Minneapolis .....gal. .164 - —
Newark .....gal. .13½ - —
New York .....gal. .13½ - —
Philadelphia .....gal. .13½ - —
Pittsburgh .....gal. .15 - —
St. Louis.....gal. .17 - —
Syracuse .....gal. .17 - —
Sulphonate, 70% sulphonic content, ret. dms., c.l., works..lb. .134 - —
l.c.l., works .....lb. .144 - —
content, ret. dms., tanks, works..lb. .124 - —
50% sulphonic content, ret. dms., c.l., works..lb. .1065- .1075
l.c.l., works .....lb. .1100- .1105
tanks, works .....lb. .0965- .0975
Phenobarbital, dms., 100 lbs.....lb. 3.50 - 4.50
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald..lb. .12 - .12¾
l.c.l., same basis.....lb. .12¾ - .13¼
tanks, same basis.....lb. .11 - .11¼
82-84% (cresol, 16-18%), dms., c.l., same basis .....lb. .12½ - .13
l.c.l., same basis.....lb. .13¼ - .13⅝
tanks, same basis.....lb. .11½ - .12
USP, dms., c.l., same basis.....lb. .11½ - .12⅝
l.c.l., same basis.....lb. .12⅝ - .13
tanks, same basis.....lb. .10½ - .11¼
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots .....lb. .87 - .92
yellow, fib. dms., 2,000 lbs.....lb. .85 - —
smaller lots .....lb. .87 - .92
Phenothiazin, NF, fib. dms., ton lots, works..lb. .49 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde solution, 50%, bots. lb. 2.35 - 2.75
pure, bots.....lb. 4.00 - 4.80
Phenyl acetate, dms., 100-lb. lots, works..lb. .50 - —
Phenyldiethanolamine, dms., works.lb. .83 - .84
Phenylethyl acetate, dms.....lb. 2.15 - 2.70
Phenylethylphenyl acetate, bots....lb. 4.50 - 6.00
Phenylhydrazin base, CP, bots.....lb. 4.55 - —
Hydrochloride, CP, bots., works..lb. 7.10 - —
commercial, kgs., works.....lb. 1.75 - —
Phloroglucinol, CP, fib. dms.....lb. 13.75 - —
tech., fib. dms.....lb. 10.00 - —
Phosgene, 150-lb. cyls., works.....lb. .20½ - .35
10-lb. cyls., works.....lb. 1.00 - —
Phosphate, defluorinated (see under D.).
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.i. car at mine..long ton. 3.34 - 3.49
70%-68%, b.p.l., c.l., same basis..long ton. 3.74 - 3.89
72%-70%, b.p.l., c.l., same basis..long ton. 4.34 - 4.42
75%-74%, b.p.l., same basis, long ton. 5.34 - 5.49
77%-76%, b.p.l., c.l., same basis..long ton. 6.34 - 6.49

Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

finely ground 65.5% b.p.l., basis 30% P_2O_5 minimum.. short ton. 5.00 - —
68%, b.p.l., basis 31% P_2O_5 minimum..short ton. 5.20 - —
70%, b.p.l., basis 32% P_2O_5 minimum..short ton. 5.55 - —

FROM SHELL CHEMICAL

KETONES

WITH PROPERTIES YOU MAY BE LOOKING FOR...

PHYSICAL PROPERTIES

	MOLECULAR FORMULA	MOLECULAR WEIGHT	BOILING POINT °C.	FLASH PT. °F. TAG OPEN CUP	FLASH PT. °F. TAG CLOSED CUP	VAPOR PRESSURE mm. Hg 20° C.	POUNDS PER GAL. 20° C.
ACETONE	CH_3-CO-CH_3	58.1	56.1	BELOW —4		186.2	6.59
METHYL ETHYL KETONE	CH_3-CO-C_2H_5	72.1	79.6	34	28	71.2	6.71
METHYL ISOBUTYL KETONE	CH_3-CO-CH_2-$CH(CH_3)_2$	100.2	115.9	81	60	15.2	6.67
MESITYL OXIDE	CH_3-CO-CH=$C(CH_3)_2$	98.1	129.5	98	79	8.0	7.11

AS SOLVENTS, these four Shell Chemical ketones can be used to excellent advantage . . . in surface coatings based on nitrocellulose and vinyl resins . . . in phenolic can coating operations, cloth and paper coatings, airplane dopes, artificial leathers, acetate rayon, photographic film, cleaning compounds, paint removers, adhesives and rubber cement.

In the compounding of lacquers and thinners, their solvency permits solutions of high solids concentration while keeping viscosity characteristics within workable limits.

AS EXTRACTANTS they find widespread use in the preparation of antibiotics, the dewaxing of lubricating oils and in numerous other recovery processes.

AS CHEMICAL RAW MATERIALS these ketones, because of their reactive carbonyl group, permit chlorination, hydrogenation, oxidation and condensation with aldehydes and aromatic compounds.

For full descriptive matter and samples of any or all of the above ketones, write your nearest Shell Chemical office.

Other Shell Chemical products are: Allyl Chloride, Acrolein, Epichlorohydrin, Glycerol Dichlorohydrin and Isopropyl Alcohol

SHELL CHEMICAL CORPORATION

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Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston • Detroit

Phosphate rock, Tennessee, brown, run-of-mine, unground, 70-68% b.p.l., 5½% i. & a., same basis, long ton. 5.50 - —
72%-70%, b.p.l., 5½% i. & a., same basis..long ton. 6.00 - —
29% P_2O_5, same basis..... long ton. 5.15 - —
30% P_2O_5, same basis..... long ton. 5.35 - —
31% P_2O_5, same basis..... short ton. 5.45 - —
32% P_2O_5, same basis..... short ton. 5.70 - —
33% P_2O_5, same basis..... short ton. 6.20 - —
Phosphorus, red, amorphous, cs....lb. .33 - .35
tins, export .....lb. .40 - .45
Yellow, cns .....lb. .25 - .27
dms., c.l. .....lb. .22 - —
Oxychloride, dms., works.....lb. .10¾- .13¾
Pentoxide, dms., c.l., works.....lb. .12 - —
l.c.l., works .....lb. .13 - .14
Sesquisulphide, tins, cs., works....lb. .25 - .27
Trichloride, cms., c.l., works.....lb. .10¾ - —
l.c.l., works.....lb. .12¾- .13¾
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works .....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald..lb. .17½- —
Pacific Cst., dlvd. .....lb. .19¼- —
l.c.l., same basis.....lb. .18½- —
Pacific Cst., dlvd.....lb. .21¼- —
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots. .....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vials..oz. 6.50 - 7.70
Nitrate, bots, vials.....oz. 6.25 - 7.25
Pimento, Jamaica, bgs.....lb. .24½- .25
Pinetar, retort dms., incl. c.l., works, South..gal. .39 - —
l.c.l., same basis.....gal. .40½- .41
whse., N.Y.C. .....gal. .50½- —
tanks, works, South.....gal. .30 - —
Pinkroot, bls.....lb. 2.25 - 2.30
Piperidine, 95%, dms., frt. equald..lb. 1.50 - —
98%, same basis.....lb. 1.60 - —
Piperazine hexahydrate, bots.....lb. 11.50 -12.50
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150° m.p., bbls., c.l., works..ton. 25.25 - —
l.c.l., works .....ton. 28.25 - —
Cottonseed, dms., works.....lb. .10½- .10¾
Hardwood, paper bgs., works....lb. .04 - —
Linseed, dms. .....lb. No prices.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse, East...100 lbs. 6.80 - —
Soybean, dms., works.....lb. .10¼- .10½
Plaster of paris (see Gypsum).
Platinum metal, works.....oz. 62.00 -65.00
Podophyllin, dms. .....lb. 13.50 -13.75
Pokeroot, bls .....lb. .21 - .22
Polystyrene, plain colors, bgs., 30,000 lbs., works, frt. alld..lb. .31½- —
20,000 lbs., same basis.....lb. .32½- —
smaller lots, same basis.....lb. .32½- .56
Water-clear, polystyrene, 7c.-18c. per lb. less than plain colors, depending on quantity; plain colors, dms., ½c. higher.
Pomegranate root bark, bgs.....lb .75 - .76
Poppy flowers, bls.....lb. .60 - .70
Seed, Argentine, bgs.....lb. .21½- .22
Danish, bgs.....lb. .22½- .23
Dutch, bgs. .....lb. .25 - .25½
Turkish, bgs. .....lb. .20 - .20½
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works..100 lbs. 9.60 - —
l.c.l., works.....100 lbs. 10.35 - —
liquid, dms., c.l., works..100 lbs. 9.00 - —
l.c.l., works.....100 lbs. 9.75 - —
tanks, works .....100 lbs. 8.25 - —
solid, 90%, dms., c.l., works.. 100 lbs. 9.00 - —
l.c.l., works.....100 lbs. 9.75 - —
regular, flake, 88-92%, dms., c.l., works..lb. .0785- —
l.c.l., works.....lb. .0860- —
liquid, 45% basis, dms., c.l., works..lb. .03575- —
l.c.l., same basis.....lb. .0395- —
tanks, same basis.....lb. .03¼- —
solid, 88-92%, dms., c.l., works..lb. .07½- —
l.c.l. .....lb. .08 - —
Potassium abietate.....lb. .08 - —
Acetate, USP, dms.....lb. .28 - .30
Bicarbonate, USP, gran., dms....lb. .20 - .22
powd., dms.....lb. .22 - .24
Bichromate, bgs., c.l., works....lb. .11½- —
l.c.l., works.....lb. .11½- .11¾
Potash bichromate in bbls., ¼c. higher.
Borate, gran., bbls., c.l., works..ton. 230.00 - —
ton lots, works.....ton. 218.50 - —
less ton lots, works.....ton. 223.50 - —
Bromide, USP, cryst., gran., bbls., kgs..lb. .28 - —
Carbonate, tech., calcined, bbls., c.l., works..lb. .07½- —
l.c.l., same basis.....lb. .08 - —
hydrated, 83-85% bbls., c.l., wks., lb. .06 - —
dms., l.c.l., works.....lb. .06½- —
USP, gran., bbls., dms.....lb. .14 - .19
powd., bbls., dms.....lb. .20 - .25
Chromate, tech., bgs.....lb. .25 - .29
Chlorate, cryst., kgs., c.l., works, lb. .08½- —
l.c.l., works.....lb. .06¾- —
powd., dms., kgs., c.l., works..lb. .09 - —
l.c.l., works.....lb. .08¾- —
export, kgs., 1 to 10 tons, ex whse..lb. .12 - —
Chloride, USP, cryst., bbls.....lb. .24 - .29
gran., bbls.....lb. .19 - .20
powd., bbls.....lb. .22 - .23
Citrate, USP, gran., bbls., drms..lb. .39½- .40½
Potash citrate, USP, powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluorine, dms., works.....lb. .24 - —
Glycerophosphate, 75% solution, chys, lb. 2.20 - —
Guaiacolsulphonate, NF, dms....lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic), USP, sticks, dms.....lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodide, dms.....lb. 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines.. unit-ton. .20 - —
25% K_2O, bulk, mines..unit-ton. .21 - —
Metabisulphite, gran., bbls.....lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M..unit ton. .37½- —
Trona, Cal.....unit ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., drms..lb. .28 - .34
Perchlorate, kgs., works.....lb. .12½- .14
Permanganate, tech., drms., works..lb. .20½- .21¼
USP, drms., works.....lb. .22½- .23
Persulphate, dms., c.l., works....lb. .17 - —
l.c.l., works.....lb. .21 - —
Phosphate, tetrabasic, bbls., works..lb. .13 - .13½
Prussiate, red, kgs.....lb. .55 - .58
Yellow, bbls.....lb. .19 - —
Ricinoleate, tech., bbls.....lb. .18 - —

Potassium silicate, glass, bgs., c.l., works..200.00 - —
l.c.l. .....100 lbs. 15.25 - —
solution, 20° Be. ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Silicofluoride, bbls., works.....lb. .09 - —
Sulphate, NF, cryst., bbls.....lb. .30½- .33½
powd., bbls. .....lb. .14½- .17
tech., dom., bulk, basis 90-95% K_2O, min. 90%, ex vessel Atlantic or Gulf ports...ton. 36.25 - —
West coast ports.....ton. 39.25 - —
Sulphocyanide, cryst., N.F., dms..lb. .62 - .70
Thiocyanate (see sulphocyanide).
Titanate, cms., c.l., works.....lb. .12 - —
5 tons, works.....lb. .12½- —
2,000 lbs. or less, works.....lb. .12½- .13
Xanthate, dms., c.l.....lb. .12 - —
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MgO, ex vessel ports..ton. 26.00 - —
Potassium-sodium ferricyanide, kgs., works..lb. .45 - .48
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium oxdate, bbls., dms..lb. .50 - .55
Prickly ash bark, bls.....lb. .33 - .34
Berries, bgs. .....lb. .20 - .21
Prince's pine herb, bls.....lb. .55 - .60
Procaine hydrochloride, cns., 200-lb. lots..lb. 4.50 - —
smaller lots .....lb. 4.75 - 5.50
Propane, commercial grade, tanks, group 3..gal. .04 - .05
Propionaldehyde, dms., c.l., works..lb. .16½- —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Propyl aldehyde (see Propionaldehyde).
Propylene dichloride, dms., c.l.....lb. .08½- —
l.c.l. .....lb. .09½- —
smaller containers.....lb. .12½- —
tanks .....lb. .07 - —
Oxide, dms., c.l., frt. equald.....lb. .19 - —
l.c.l., frt. equald.....lb. .20 - .21
tanks, frt. equald.....lb. .17½- —
Propyleneglycol, dms., c.l., frt. alld. E..lb. .16 - —
l.c.l., same basis.....lb. .16½- .18
tanks, same basis.....lb. .14½- —
Propylthiouracil, bots. works.....kilo. 50.00 - —
Psyllium seed (see Fleaseed).
Pulsatilla herb, bls. .....lb. .60 - .65
Pumice, dom., grd., coarse, 40's, 1, 1½, 2, 3, bgs., ton lots..lb. .02½- .04
Chicago .....lb. .04½- —
smaller lots.....lb. .05½- .04½
fine, bgs., ton lots.....lb. .03½- —
smaller lots .....lb. .05½- .04
Italian, silk-screen, fine, bgs., ton lots..lb. .04 - —
coarse, bgs., ton.....lb. .05½- —
sun dried, fine, bgs., ton lots...lb. .02 - —
coarse, bgs., ton lots.....lb. .04½- —
Pumice in bbls, is ½c. per lb. higher.
Pumpkin seed bgs. .....lb. .27 - .29
Purple lake (see Red).

Phosphate Rock, Tennessee—Pyrophyllite

Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works..lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works..gal. 6.25 - —
regular base, dms., works..gal. 6.20 - —
(30 to 1), base 3 grams pyrethrins, per 100cc. odorless base, bbls., works..gal. 9.30 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .30 - —
powder, 1.3% pyrethrins, bbls., works..lb. .42 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2° ret. dms., same basis..lb. .60 - .65
Pyridoxin hydrochloride, 100-gram lots, kilo. 550.00- —
Pyrites, Spanish, c.i.f. Atl. ports, long-ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., c.l., dlvd. E. of Miss. gal. .70 - —
l.c.l., works .....gal. .70 - —
tanks, dlvd., E. of Miss.....gal. .60 - —
Pyronate prices W. of Miss., 3c. per gal. higher.
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines..ton. 11.00 11.50
325 mesh, bulk, c.l., mines....ton. 14.00 - —
No. 3, 200 mesh, bulk, c.l., mines, ton. 9.50 - —
Insecticide grade, 200 mesh, bulk, c.l., mines..ton. 9.00 -10.00
rubber grade, 140 mesh, bulk, c.l., mines..ton. 7.00 - —
220 mesh, bulk, c.l., mines..ton. 12.00 - —
Pyrophyllite in paper bgs., $1.50-$2.50 per ton extra.

Complete integration of its manufacturing facilities plus economical water borne supply of its own principal raw materials, make *Pittsburgh* Coke & Chemical Company a reliable source of supply for Coal Chemicals and associated products. Inquiries for any of the products listed below are invited and, for special applications, technical assistance and recommendations are available for the asking.

Pyroxylin—Sodium-Carboxymethyl Cellulose

Pyroxylin scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works..lb. .14 - —
gray, cs., works..lb. .14 - —
mixed, mottled, cs., works..lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works..lb. .17 - —
translucent, pastels, cs., works.lb. .17 - —
transparent, colorless, cs., works, lb. .19 - —
colors, cs., works..lb. .17 - —
shavings, opaque, amber, cs., works, lb. .15 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works..lb. .17 - —

Q

Quassia chips, bls..lb. .07 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l..lb. .13½- —
liq., 35% tannin, bbls., works..lb. .0635- —
tanks, same basis..lb. .06 - —
powd., 70% tannin, bgs., c.l....lb. .14½- —
ordinary, lump, 63% tannin bgs., c.l., ex dock, duty extra..lb. .0821- .0850
Quebracho extract prices are based on $22 freight and $1 insurance per long ton.
Queen of the meadow root bgs....lb. .12 - .13
Quercitron crystals, bbls..lb. .32 - —
Extract, liquid, No. 1, bbls..lb. .14 - —
solid, bxs..lb. .27 - —
Quicksilver, flasks (76 lbs. net)..flask.79.00 -80.00
Quince seed, bgs..lb. 1.20 - 1.80
Quinidine, NF, V, cryst., cns..oz. No stocks
powd., precip., cns..oz. No stocks
Sulphate, USP, cns..oz .95 - 1.15
Quinine, NF, cns., 100 ozs..oz. .97½- —
Acetate, cns., 100 ozs..oz. No stocks
Arsenate, cns., 100 ozs..oz. No stocks
Arsenite, cns., 100 ozs..oz. No stocks
Bisulphate, USP, cns., 100 ozs....oz. .73½- —
Citrate, cns., 100 ozs..oz. No stocks
Dihydrobromide, bots., 50 ozs....oz. No stocks
Dihydrochloride, USP..oz. .90½- —
Ethylcarbonate, NF, cns., 100 ozs.oz. No stocks
Ferrocyanide, cns., 100 ozs..oz. No stocks
Formate, cns., 100 ozs..oz. No stocks
Hydrobromide, NF, cns., 50-oz. cans, oz. .89½- —
Hydrochloride, USP, cns., 100 ozs.oz. .89½- —
Hydriodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs....oz. No stocks
Hydrophosphite, cns., 100 ozs....oz. No stocks
Phosphate, NF, cns., 100 ozs....oz. 1.10 - —
Salicylate, NF, cns., 100 ozs....oz. .95 - —
Sulphate, USP, cns., 100 ozs....oz. .89½- —
Sulphocarbolate, cns., 100 ozs....oz. No stocks
Tannate, USP X, cns., 100 ozs....oz. No stocks
Tartrate, cns., 100 ozs..oz. No stocks
Valerate, NF, IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride, NF, cns.oz. .94½- —
Quinolin, dms., c.l., works..lb. .32 - .50

R

R salt, dry, bbls..lb. .61 - .72
paste, dms..lb. .57 - —
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.45 - 2.25

Prices 1½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.). (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.25 - —
light shade, bbls., same basis..lb. 1.10 - —
Maroon, bbls., same basis..lb. 1.35 - 1.45
medium shade, bbls., same basis, lb. 1.20 - —
medium-light shade, bbls., same basis..lb. 1.15 - —
orange-red, bbls., same basis..lb. 1.05 - —

Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.

Carmine, No. 40, dms., works....lb. 5.50 - 5.65
smaller containers, works..lb. 6.10 - 6.15
Crocus martis (see Red, purple, oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works..lb. 1.35 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y., lb. .10 - .10¼
English, all shades..lb. .16 - —
Iron oxide, synth., bbls..lb. .10½- .10¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., E. St. Louis, and Trenton, N. J. lb. .06¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .094
Lake C toner, alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works..lb. .75 - .77
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.30 - —
Maroon, alizarin lake, 25%, bgs., works..lb. .40 - .42
toner, bbls., works..lb. 1.35 - 1.50
Cadmium, deep, bbls., works...lb. 1.20 - —
regular, bbls., works..lb. 1.10 - —
MNPT toner, kgs., works..lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.00 - —
smaller lots, works..lb. 2.02 - —
Metallic, bbls., works..lb. .02½- .02¾
Oxide (see Red, iron oxide).
Oxide, Persian gulf, bgs., works..lb. .06¾- —
Para toner, bbls..lb. .85 - .88
chlorinated, kgs..lb. .95 - 1.05
concentrated, alizarin lake, kgs., works..lb. .80 - —
Phloxin toner (see Red, eosin toner).
Phosphotungsic, rhodamine Y, kgs., works..lb. 4.45 - —
Pink lake, alizarin, bbls., works..lb. .20 - .25
Purple lake, kgs..lb. 1.35 - —
Rose lake, alizarin, bbls., works..lb. .25 - .28
Scarlet ink toner, kgs., works..lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .05¾- .06½
Toluidin toner, alizarin lake, kgs., works..lb. 1.30 - —
Turkey, bbls., works..lb. .14½- —
Tuscan, bbls., E. St. L..lb. .21 - .29
Venetian, 15%, bgs., works..lb. .0310- —
20%, bgs., works..lb. .0320- —
25%, bgs., works..lb. .0350- —
30%, bgs., works..lb. .0380- —
35%, bgs., works..lb. .0415- —
40%, bgs., works..lb. .0440- —
Vermillion, Amer., bbls...lb. .22¾- .48
Quicksilver, bbls..lb. 2.50 - 2.65

Red precipitate, NF, powd., fib. dms.lb. 2.17 - 2.19
Red saunders, wood, grd., bbls....lb. .35 - —
Resorcinol, tech., dms., works....lb. .68 - —
USP, cryst., dms., works....lb. 1.70 - —
Rhatany root, bgs..lb. .11 - .12
Rhubarb root, whole, cs..lb. .65 - .67
powd., bbls..lb. .70 - .77
Riboflavin, bots..kilo.150.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif.lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs..lb. .33 - —
smaller lots..lb. .33½- —
Rose flowers, pale, bls..lb. .24 - .26
Rosemary flowers, bls..lb. 1.55 - 1.65
Leaves, French, bls..lb. .13 - .13½
Portuguese, bls..lb. .07½- .08
Spanish, bls..lb. .13 - .13½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, E, dms., c.l., works..100 lbs. 5.60 - —
FF, dms., c.l., works....100 lbs. 6.50 - —
G, H, I, dms., c.l., works..100 lbs. 8.85 - —
K, dms., c.l., works....100 lbs. 8.85 - —
M, dms., c.l., works....100 lbs. 8.85 - —
N, dms., c.l., works....100 lbs. 8.85 - —
WG, dms., c.l., works....100 lbs. 8.90 - —
WW, dms., c.l., works....100 lbs. 8.90 - —
X, dms., c.l., works....100 lbs. 9.00 - —
Rotenone, cryst., bbls., works....lb.20.00 -24.00
Extract, liq., dms., works..per unit. 1.75 - —
Powder (see Cube root).
Rottenstone, bgs., c.l., mines....ton.36.00 - —
l.c.l., mines..ton.43.00 - —
Rue herb, bls..lb. .45 - .48
Rutin, bots..gram. .28½- .60

S

Sabadilla seed, powd., bbls....lb. .72 - .75
activated ground with lime, bbls.lb. .42 - .50
Saccharin, insoluble and soluble, dms., 1,000 lbs..lb. 1.30 - 1.90
smaller lots..lb. 1.40 - 2.50
Safflower (see Saffron, Mexican).
Saffron, Mexican, bls..lb. 1.55 - 1.60
Spanish, USP, tins..lb.36.00 -38.00
boxes..lb.31.70 -32.00
Safrol, cns..lb. .95 - 1.45
Sage, Cyprian, bls..lb. .14 - .14½
futures, bls..lb. .14½- .15
Dalmatian, bls..lb. .26 - .27
Greek, fancy, bls..lb. .18 - .18½
Palestine, bls..lb. .16 - .16½
Spanish, bls..lb. .13½- .14
Sago flour, bgs..lb. .09 Nom.
Salicin, bots..lb. No stocks
cns..lb. No stocks
Saligenin, dms., works..lb.15.00 -20.00
Salol, gran., bbls., kgs..lb. 1.00 - —
fib. dms..lb. 1.62 - 1.63
Powdered salol, 10c. higher
Salt, rock, bgs., c.l..ton.17.50 - —
l.c.l..ton.21.70 - —
Table, vacuum, common, fine, bgs., c.l...ton.18.60 - —
l.c.l..ton.25.10 - —
Saltcake, dom., bulk, works....ton.26.00 -26.00
Chrome (see Chrome cake).
Saltpeter, cryst., bbls., 10 tons 100 lbs.12.40 - —
smaller lots..100 lbs.12.65 -12.90
gran., bbls., 20 tons..100 lbs. 8.40 - —
smaller lots..100 lbs. 9.00 - 9.50
powd., bbls., 20 tons..100 lbs. 9.00 - —
smaller lots..100 lbs.10.00 -10.50
Saltpeter in bags is 25c. per 100 lbs. less than in barrels; in kegs it is $1 more.
Sanguinarine nitrate, bots..oz. 4.75 - 5.50
Santonin, cryst., powd., cns....kilo.175.00 -185.00
Saponin, No. 1, cns..lb. 2.45 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls..lb. .60 - .61
Mexican, bls..lb. .57 - .60
Sassafras bark, ord., bls..lb. .45 - .50
select, bls..lb. .65 - .70
Savory, French, bls..lb. .21 Nom.
Saw palmetto berries, bgs..lb. .23 - .24
Scammony resin, lump, cns..lb. 2.10 - 2.25
powd., cns..lb. 2.20 - 2.30
Root, bgs..lb. .13 - .14
Schaeffer's salt, bgs..lb. .60 - —
Seidlitz mixture, bbls., 5,000 lbs...lb. .27½- —
smaller lots..lb. .29¾- —
kegs, 5,000 lbs..lb. .28¾- —
smaller lots..lb. .29¾- —
Selenium, powd., cns., 10-lb. lots...lb. 2.10 - —
cs., 1,000-lb. lots..lb. 2.00 - —
Senega root, bls..lb. 2.25 - 2.30
Senna leaf, Alex., half-leaf, bls. ..lb. .26 - .27
siftings, bgs..lb. .23 - .24
Tinnevelly, No. 1, bls..lb. .22 - .24
No. 2, bls..lb. .20 - .22
No. 3, bls..lb. .18 - .20
Pods, bls..lb. .53 - .54
Serpentaria root, bls..lb. No stocks
Shellac, bleached, bonedry, bgs., 1,500-lb. lots..lb. .64 - —
bbls., 1,500-lb. lots..lb. .64½- —
kgs., 1,500-lb. lots..lb. .66½- —
refined, bgs., 1,500-lb. lots..lb. .72 - —
bbls., 1,500-lb. lots..lb. .73 - —
kgs., 1,500-lb. lots..lb. .75 - —

bonedry shellac sales of less than 1,500 lbs., at following additions to prices:—1c., more for bgs., bbls., or kgs.

Lemon, No. 1, bgs..lb. .66 - .68
No. 2, bgs..lb. .64 - .66
Superfine, bgs., 10 bgs..lb. .61 - .62
TN, bgs., 10 bgs..lb. .59 - .60
Shellac in 1 to 9 bgs., 1c. more.
Silica, amorph., dry-grd. 325 mesh, bgs., c.l., Ill. works..ton.24.10 -40.00
l.c.l., works..ton.29.00 - —
wet-grd., 320 mesh, bgs., c.l. works..ton.24.00 -40.00
l.c.l., works..ton.29.00 - —
Hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.26.00 - —
l.c.l., works..ton.27.00 - —
140 mesh, bgs., c.l., works....ton.15.00 - —
l.c.l., works..ton.20.00 - —
Tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works..lb. .16½- .27
Silver bullion, ingots, cs..oz. .74⅝- —
Cynamide, fib. dms., 2,500-oz. lots..oz. .62½- —
1,000-oz. lots..oz. .62½- —
500-oz. lots..oz. .62⅝- —
250-oz. lots..oz. .63 - —
Nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .48 - —
1,000-oz. lots..oz. .49¼- —
500-oz. lots..oz. .49½- —
250-oz. lots..oz. .49¾- —

USP granular silver nitrate, 2c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots..oz. .45 - —
strong, bots., dms., 1,000-oz. lots, oz. .40 - —
Simarubra bark, bls..lb. .85 - .86
Skullcap herb, Eastern, bls..lb. .85 Nom.
Western, bls..lb. .30 - .35
Skunk cabbage root, bls..lb. .44 - .45
Slate flour, bgs., c.l., works....ton 11.60 -12.00
l.c.l., ex whse..ton.20.00 -60.00
Sloe berries, bgs..lb. .33 - .40
Smalt, black, cns..lb. .11 - —
Blue, cns..lb. .16 - —
Snakeroot, Canada, bls..lb. .63 - .65
Soapbark, bls..lb. .18 - .19
crushed, bls., bbls..lb. .26 - .26
cut, foreign, bbls..lb. .30 - .31
powd., bbls..lb. .28 - .29
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.38 - —
l.c.l., stock points, zone 1..... 100 lbs. 2.78 - —
2..100 lbs. 2.88 - —
3..100 lbs. 3.28 - —
4..100 lbs. 3.83 - —
bbls., c.l., works..100 lbs. 1.78 - —
l.c.l., stock points, zone 1..... 100 lbs. 3.18 - —
2..100 lbs. 3.28 - —
3..100 lbs. 3.63 - —
4..100 lbs. 4.23 - —
bulk, c.l., works..100 lbs. 1.18 - —
light, 58%, paper bgs., c.l., works., 100 lbs. 1.30 - —
l.c.l., stock points, zone 1..... 100 lbs. 2.65 - —
2..100 lbs. 2.80 - —
3..100 lbs. 3.15 - —
4..100 lbs. 3.75 - —
bbls., c.l., works..100 lbs. 1.70 - —
l.c.l., stock points, zone 1..... 100 lbs. 3.05 - —
2..100 lbs. 3.20 - —
3..100 lbs. 3.55 - —
4..100 lbs. 4.15 - —
bulk, c.l., works..100 lbs. 1.10 - —

Soda ash prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs. prices are ex-warehouse. Sales zones are: (1) All States E. of Miss R. and N. of south bound. of Ky., 31°, Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kan., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° including Wichita Falls excluding El Paso; (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex

Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd. zone 1....100 lbs. 4.60 - —
zone 2..100 lbs. 4.75 - —
zone 3..100 lbs. 6.10 - —
zone 4..100 lbs. 5.70 - —
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.25 - —
70%, sellers' tanks, works, dry basis..100 lbs. 2.35 - —
solid, 76%, dms., c.l., wks.100 lbs. 2.85 - —
l.c.l., dlvd. zone 1....100 lbs. 4.20 - —
zone 2..100 lbs. 4.35 - —
zone 3..100 lbs. 4.70 - —
zone 4..100 lbs. 5.30 - —

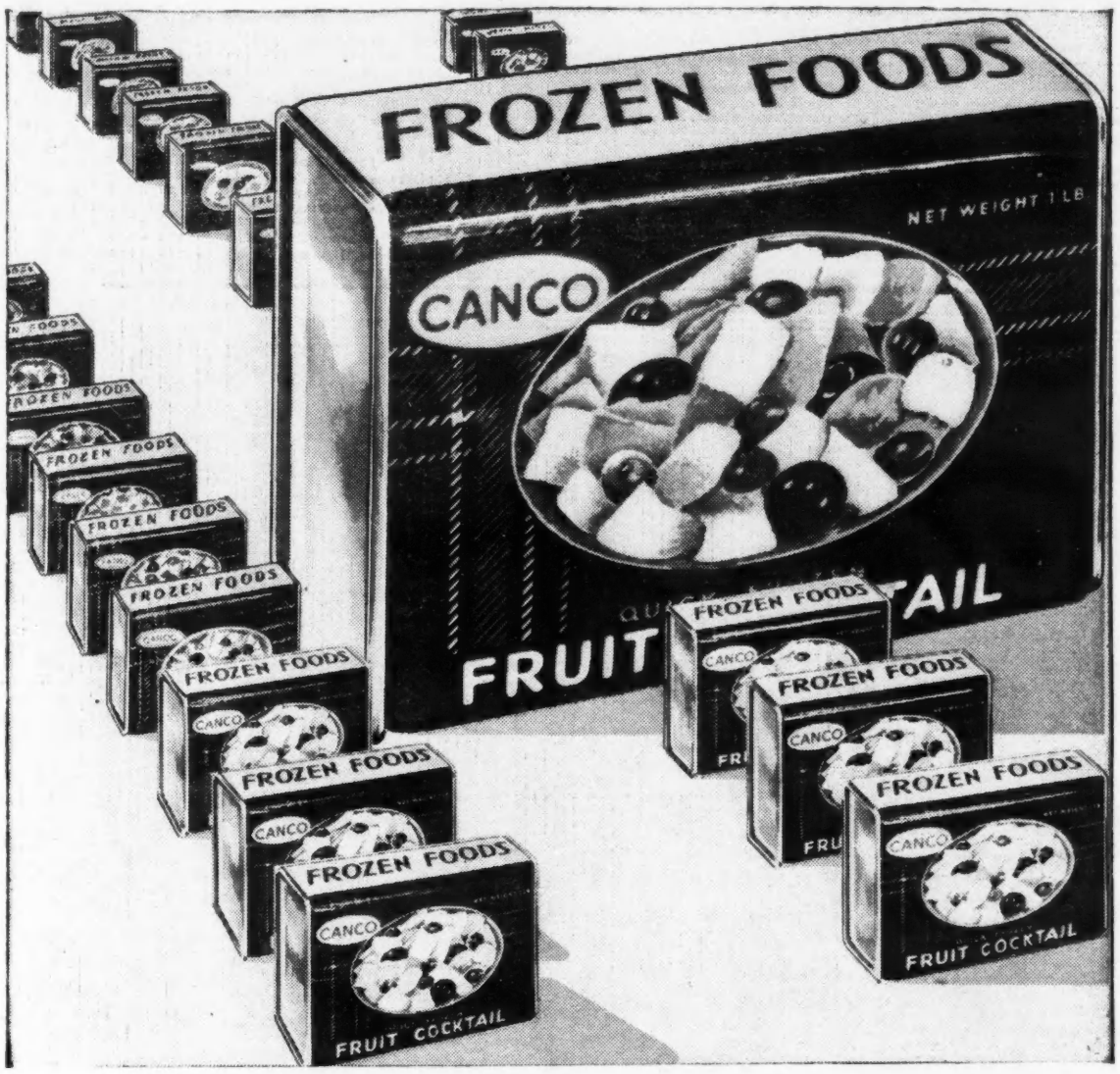
Prices f.o.b. stock points in zones indicated, minimum quantity 500 lbs.; for less than 500 lbs., prices are ex-warehouse. Soda caustic zones are same as soda ash.

Sal, bgs., c.l..100 lbs. 1.35 - —
works..100 lbs. 1.10 - —
bbls., c.l..100 lbs. 1.40 - —
works..100 lbs. 1.20 - —
Sodium acetate, anhyd., dms., dlvd..lb. .09½- .11
cryst., NF, bbls..lb. .07½- .08½
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms, works..lb. 1.50 - 1.60
Alkylbenzene-sulphate, dms., works, lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.60 - —
l.c.l., works..100 lbs. 8.40 - —
other uses, bgs., c.l., works.100 lbs. 7.00 - —
l.c.l., works..100 lbs. 7.50 - 8.00
Antimoniate, bbls., c.l., dlvd..lb. .27 - —
l.c.l., dlvd..lb. .27½- —
Arsenate, dealers, dms., c.l., works, lb. .12 - —
l.c.l., works..lb. 13½- .13¾
Arsenite, gray, dealers, dms., c.l., works..lb. .10¾- —
l.c.l., works..lb. 13¼- .13¾
Sodium arsenite, gray, ¼c. higher in Chi., 2c. higher in Houston, Tex., and Palo Alto, Calif.
Benzoate, tech., bbls., 2 tons..lb. .39 - —
smaller lots..lb. .40 - .41
USP, dms., 2 tons..lb. .46 - —
smaller lots..lb. .47 - .52
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l., works..100 lbs. 2.75 - —
powd., bgs., c.l., works...100 lbs. 1.85 - —
l.c.l., works..100 lbs. 2.35 - —
Bichromate, bgs., c.l., works....lb. .09 - —
l.c.l., works..lb. .09½- .09¾
Sodium bichromate, in bbls., ½c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., frt. alld..lb. .13 - .14
kgs., l.c.l., frt. alld..lb. .12½- .14
Bisulphite, powd., bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works..100 lbs. 4.00 - —
solut, 32°, bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., works..100 lbs. 1.65 - —
35°, bbls., c.l., works....100 lbs. 1.40 - —
l.c.l., works..100 lbs. 1.55 - —
40°, bbls., c.l., works.....100 lbs. 1.55 - —
l.c.l., works..100 lbs. 1.80 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .28 - —
Cacodylate, bots., dms..lb. 8.50 -12.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
Chlorate, cryst., dms., c.l., works.lb. .06¾- —
l.c.l., works..lb. .08 - —
powd., kgs., works..lb. .08¼- —
Chloride (see Salt).
Chlorite, tech., dms., works..lb. .75 - —
Chromate, bbls., dms., c.l., works..lb. .10¾- —
l.c.l., works..lb. .10¾- .11
Citrate, USP VIII, bbls..lb. .20 - —
dms..lb. .21 - .25
USP XIII, gran., bbls..lb. .26 - —
dms..lb. .27 - .31
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanide, 96-98%, dms..lb. .14½- .15
Diacetate, 33-35% acidity, bbls., works, dlvd..lb. .10½- .11¼
anhydrous dms., works..lb. .11½- .13
Fluoride, white, 90%, bbls., c.l., works..lb. .09¼- —
l.c.l., works..lb. .09¾- —
95%, bbls., c.l., works..lb. .09¾- —
l.c.l., works..lb. .10 - —
Formate, bgs., c.l. works..lb. .0605- .0650
l.c.l..lb. .07 - .0750
Glutamate, monobasic, kgs..lb. 1.46 - 1.48
Glycerophosphate, NF, flake, bbls, lb. 1.80 - —
powder, bbls..lb. 1.85 - —
solution, 75%, cbys..lb. 1.06 - —
50%, cbys..lb. .82 - —
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld.lb. 18¼- .19
l.c.l., frt. alld..lb. .19 - .20

Sodium hydroxide, tech. (see Soda, caustic), USP, sticks, dms..lb. .24 - .29
Hypophosphite, NF, cns..lb. .67 - .70
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald..100 lbs. 2.75 - —
l.c.l., same basis..100 lbs. 3.15 - —
pea cryst., bgs., works, frt. equald..100 lbs. 4.30 - 5.25

Soda, hyposulphite, crystals, in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).

Iodide, USP, dms.,* jars..lb. 2.72 - 2.88
Mandelate, dms..lb. 3.25 - 3.35
Metaborate, gran., bgs., c.l., works, ton.90.50 - —
l.c.l., works..ton.108.00 -113.00
Sodium metaborate in bbls., $20 per ton higher.
Metanilate, bgs..lb 48 - —
Metasilicate, anhyd., bbls., c.l., works 100 lbs. 4.00 - —
gran., bgs., c.l., works....100 lbs. 3.60 - —
l.c.l..100 lbs. 3.90 - 4.25
bbls., c.l., works.....100 lbs. 3.40 - —
l.c.l..100 lbs. 4.30 - 4.75
Monohydrate, bgs., c.l., works, 100 lbs. 2.60 - —
l.c.l., works..100 lbs. 2.45 - —
Naphthionate bbls..lb 46 - .55
Nitrate, crude, dom., bgs., c.l., works..ton.40.50 - —
bulk, c.l., works..ton.37.00 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.45.50 - —
bulk, c.l., same basis..ton.42.50 - —
Nitrite, 99%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast ports....100 lbs. 8.60 - 8.65
l.c.l., dlvd..100 lbs. 8.90 -11.00
Orthosilicate, anhyd., bbls., c.l., works, frt. equald....100 lbs. 4.00 - —
l.c.l., same basis..100 lbs. 5.45 - 5.80
hydrated, flake, bbls.,c.l., works, 100 lbs. 4.00 - —
l.c.l., works..100 lbs. 5.10 - 5.35
Oxalate, neut., bgs., works...lb. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .19
powd., bgs., c.l., same basis..lb. .16 - .16¾
l.c.l., same basis..lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate, USP, bbls., c.l., works, lb. .14¾- —
l.c.l., works..lb .15½- —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .14 - —
smaller lots same basis....lb 17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works..100 lbs. 6.25 - —
l.c.l., works..100 lbs. 6.75 - 7.00
cryst., bgs., c.l., works..100 lbs. 3.50 - —
l.c.l., works..100 lbs. 3.75 - 3.90
USP, dried bbls. dms., works.lb. .159 - —
monobasic, anhyd., bgs., c.l., works, 100 lbs. 7.25 - 8.25
l.c.l., works..100 lbs. 7.65 9.00
tribasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 7.00 - —
l.c.l., same basis....100 lbs. 7.50 - 8.00
cryst., bgs., c.l. works, frt. equald..100 lbs. 3.50 - —
l.c.l., same basis....100 lbs. 3.90 - —
kgs., c.l., same basis....100 lbs. 4.25 - —
l.c.l., same basis....100 lbs. 4.45 - —
Sodium phosphates in bbls. 40c higher than bgs.
USP (see Sodium phosphate, dibasic)
Prussiate, yellow, bgs..lb. .12 - —
bbls..lb. 12¼- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.10.50 -11.25
l.c.l., same basis..100 lbs.10.75 -12.00
ferric, dms., 10,000 lbs., works lb. 22 - —
smaller lots, works..lb .22½- —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
Ricinoleate, tech., bbls..lb No stocks
Salicylate dms..lb. 57 - 60
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.80 - —
Sesquicarbonate, bbls., l.c.l., dlvd., zone 1..100 lbs. 2.70 - —
zone 2..100 lbs. 2.85 - —
zone 3..100 lbs. 3.10 - —
zone 4..100 lbs. 3.50 - —
Sodium sesquicarbonate l.c.l. price zones are same as those for soda ash
Sesquisilicate, bbl., c.l., works 100 lbs. 3.90 - —
l.c.l., dlvd..100 lbs. 5.15 - 5.30
Silicate, 40°, turbid., dms., c.l., works..100 lbs. .95 - 1.15
l.c.l., works..100 lbs. 1.20 - 1.30
tanks, works..ton.15.00 - —
52°, turbid, dms., c.l., works, 100 lbs. 1.65 - —
l.c.l., works..100 lbs. 1.80 - 2.00
tanks, works..ton.27.00 - —
Silicofluoride, bbls., c.l., works....lb. .09½- —
l.c.l., works..lb. .07 - —
Stannate, dms., works, frt. alld. E..lb. .43½- .47½
Stearate, bbls. works..lb. .19 - 24
Sulphate, NF VII, dried, powd., bbls. lb. .10 - 10½
tech., anhyd., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works..100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt)
USP, cryst., gran., bbls..lb. .07 - .07½
Sulphanilate, bbls., works..lb. .21¾- —
Sulphide, cryst., bbls., c.l., works 100 lbs. 3.75 - —
l.c.l., dlvd..100 lbs. 4.15 - —
flake, bbls., c.l., works....100 lbs. 4.50 - 5.50
l.c.l., works..100 lbs. 5.00 - 5.75
lump, bbls., c.l., works...100 lbs. 4.00 - 5.50
l.c.l., dlvd..100 lbs. 4.50 - 5.75
Sulphite, cryst., bgs., c.l., works, 100 lbs. 2.60 - —
l.c.l., works..100 lbs. 3.00 - —
bbls., c.l., works.....100 lbs. 3.00 - —
l.c.l., works..100 lbs. 3.40 - —
powd., bbls., c.l., works....100 lbs. 5.25 - —
l.c.l., works..100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - 33
powd., bbls..lb. 30 - 35
Sulphocyanide, CP, dms..lb. .55 - .65
tech., dms., works..lb. 30 - —
Sulphoricinoleate, bbls..lb. .12 - —
Sulphydrate, flake, 70-72%, dms., c.l..lb. .05 - —
liquid, 45%, tanks, works....lb. .04¼- —
Thiocyanate (see Sodium sulphocyanide).
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works..lb. .10¼- —
2,000 lbs. and less, works.....lb. .10½- .13½
Tripolyphosphate, bgs., c.l., works, frt. equald..lb. .07½- —
l.c.l..lb. .07½- —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls..lb. 10 - 12
Tungstate, tech., bgs..lb. 1.40 - 1.45
Sodium-ammonium phosphate, bbls., works, frt. equald..lb. 23 - —
Sodium-carboxymethylcellulose, high vis., ctns., 2,000 lbs., works frt. alld..lb. 66 - —
smaller quantities, same basis.lb. .70 - —
Low and med. vis., ctns., 2,000 lbs., same basis..lb. 62 - —
smaller quantities, same basis.lb. 66 - —



THE FROZEN-FOOD INDUSTRY IS FINDING PROFIT—

in this wonderful new container!

This new frozen-food container is a compact unit with a paraffin-impregnated fibreboard body and strong metal ends.

Its simplicity and strength eliminate the use of inner bags and separate liners. It speeds up processing and packaging, gives greater protection to the product.

Tests show that it is preferred by both dealers and consumers. Food processors find that it decidedly reduces processing costs and unit costs on frozen foods.

Research and Know-How

This new container—a product of American Can Company research and technical know-how—is another positive evidence that *those who do business with Canco profit*. For 46 years we have been helping our customers to profit through our creative approach to container problems.

We have never stopped inventing new containers and improving old ones.

These achievements make an impressive record which benefits you and your business. We can help you solve your container problems—to increase *your* business and *your* profit.

AMERICAN CAN COMPANY

NEW YORK • CHICAGO • SAN FRANCISCO

Sodium-Cinchophen—Timbo Root

Sodium-cinchophen, bots., dms., works. lb. 5.00 - 5.10
Sodium-formaldehyde sulphoxalate, stand. cont. lb. .19 - .22
Soybean flour, industrial, bgs., 40,000
Sodium-sulpha drugs (see Sulpha name).
Solvent naphtha, coaltar, dms., works. gal. .28 - —
tanks, E. of Omaha, frt. alld. gal. 28 - —
W. of Minnequa, Colo., works. gal. .23 - —
high-flash, dms., works.....gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. to 3¼c. per gal. gal. .27 - —
Petroleum, 100° F. flash, tanks, Baytown, Tex..gal. .22 - —
150°F. flash, tanks, same basis. gal. .23½ - —
Sorbitol, com'l, dms, c.l., works. lb. .25½ - —
lbs., works..lb. .067 - —
20,000 lbs., works.....lb. .069 - —
smaller lots, works.....lb. .071 - —
Protein, bgs., 40,000 lbs., works..lb. .29 - —
20,000 lbs., works.....lb. .29¼ - —
smaller lots, works.....lb. .29½ - .33
l.c.l., works .....lb. .26 - .35
Spearmint leaves, bls. .....lb. .48 - .49
Spikenard root, bls. .....lb. .50 - .65
Spruce extract, liq., reg., tanks, works. lb. .01¾ - —
powd., super, bgs., c.l., works..lb. .05¼ - —
Squaw vine, leaves, bls.....lb. .45 - .50
Squill, red, fortified, powd., bbls., boxs. lb 1.60 - —
White, bls. .....lb. .10 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls.....lb. .12 - .13
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 7.02 - —
Chicago .....100 lbs. 6.57 - —
l.c.l. .....100 lbs. 7.28 - —
powd., paper bgs., c.l.....100 lbs. 7.13 - —
Chicago .....100 lbs. 7.63 - —
l.c.l. .....100 lbs. 7.39 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, bgs., c.l.....lb. .10½ Nom.
l.c.l. .....lb. .10½ - .11½
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs., c.l.....lb. No stocks
Wheat, bgs.....lb. .0720- .0775
Stavesacre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .45 - .50
Stoneroot, bls.....lb. 07½ - .08
Storax, USP, cs.....lb. 1.00 - 1.10
Stramonium leaves, bgs.....lb. .22 - .25
Seed, bgs. .....lb. .20 - .21
Streptomycin, hospitals.....gram. 3.40 - —
wholesalers .....gram. 2.72 - —
Strontium bromide, NF, cns., dms. cs. .53 - .55
Carbonate, 90% bbls.....lb. .14 - .15
98% bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., kgs., Phila.....lb. .45 - —
Iodide, jars, 25 lbs.....lb. 3.00 - 3.06
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l. works.....lb. .07¾ - —
l.c.l., works.....lb. .08¼ - .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent dms., works.lb. 2.50 - 2.55
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs....lb. 2.25 - 2.30
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .53 - —
tech., bbls., l.c.l., works.....lb .50 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, USP, dms., works...lb. 9.00 - 9.10
Sulphadiazin - sodium, USP, dms., works..lb.10.50 -10.60
Sulphaguanidin, USP, dms., works, lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works, lb. 9.00 - 9.10
Sulphamazerin - sodium, USP, dms., works..lb.10.50 -10.60
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, NF, powd., bots., tins, works..lb. 7.00 - 7.30
Sulphapyridin - sodium, powd., bots., dms., works..lb. 7.50 - 7.80
Sulphathiazole, USP, powd., dms., works..lb. 3.00 - 3.15
Sulphathiazole - sodium, USP, dms., works..lb. 3.00 - 3.15
Sulphonethylmethane, NF, kgs.....lb. 6.75 - 6.85
Sulphonmethane, NF, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.18.00 - —
vessels, Gulf ports, contract. long ton.19.50 - —
export .....long ton.20.00 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.90 - —
l.c.l., works .....100 lbs. 2.50 - 2.85
precipitated, USP, bbls., kgs....lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.50 - 3.90
heavy, bgs., c.l., works..100 lbs. 2.55 - 3.15
l.c.l., works .....100 lbs. 2.85 - 3.45
light, bgs., c.l., works....100 lbs. 2.75 - 3.15
l.c.l., works .....100 lbs. 3.05 - 3.75
flowers, USP, bgs., c.l.....100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.90 - —
Refined sulphur flowers in bbls., 35c. higher.
rocks, bgs., c.l., works.....100 lbs. 2.75 - —
l.c.l., works .....100 lbs. 2.15 - 2.75
roll, bbls., c.l., works.....100 lbs. 2.45 - 3.05
l.c.l., works .....100 lbs. 2.45 - 3.45
rubber-makers' bgs., c.l., works, 100 lbs. 1.50 - 2.00
Chloride, 55-gal. dms., c.l., works..lb. .03½ - —
l.c.l., works.....lb. .04¼ - —
10-gal. dms., c.l., works.....lb. .07½ - —
l.c.l., works.....lb. .08¼ - —
Dioxide, liquid, com'l, cyls., works. lb. .085 - —
multi-unit cars, works.....lb. .06 - —
tanks, works.....lb. .044 - —
refrigeration, cyls., l.c.l., works. lb. — - —
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac bark, 28%, grd., bgs., ex dock. ton.85.00 - —
Extract, No. 1, bbls.....lb. .10½ - —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .11 - .13½
Leaves, 30%, bgs., ex dock.....ton.95.00 - —
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Balto.unit-ton. .76 - —
Florida .....unit-ton. .56 - .59
other points.....unit-ton. .57 - .59

Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charges from Anaconda, Mont., in excess of $18.93 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.

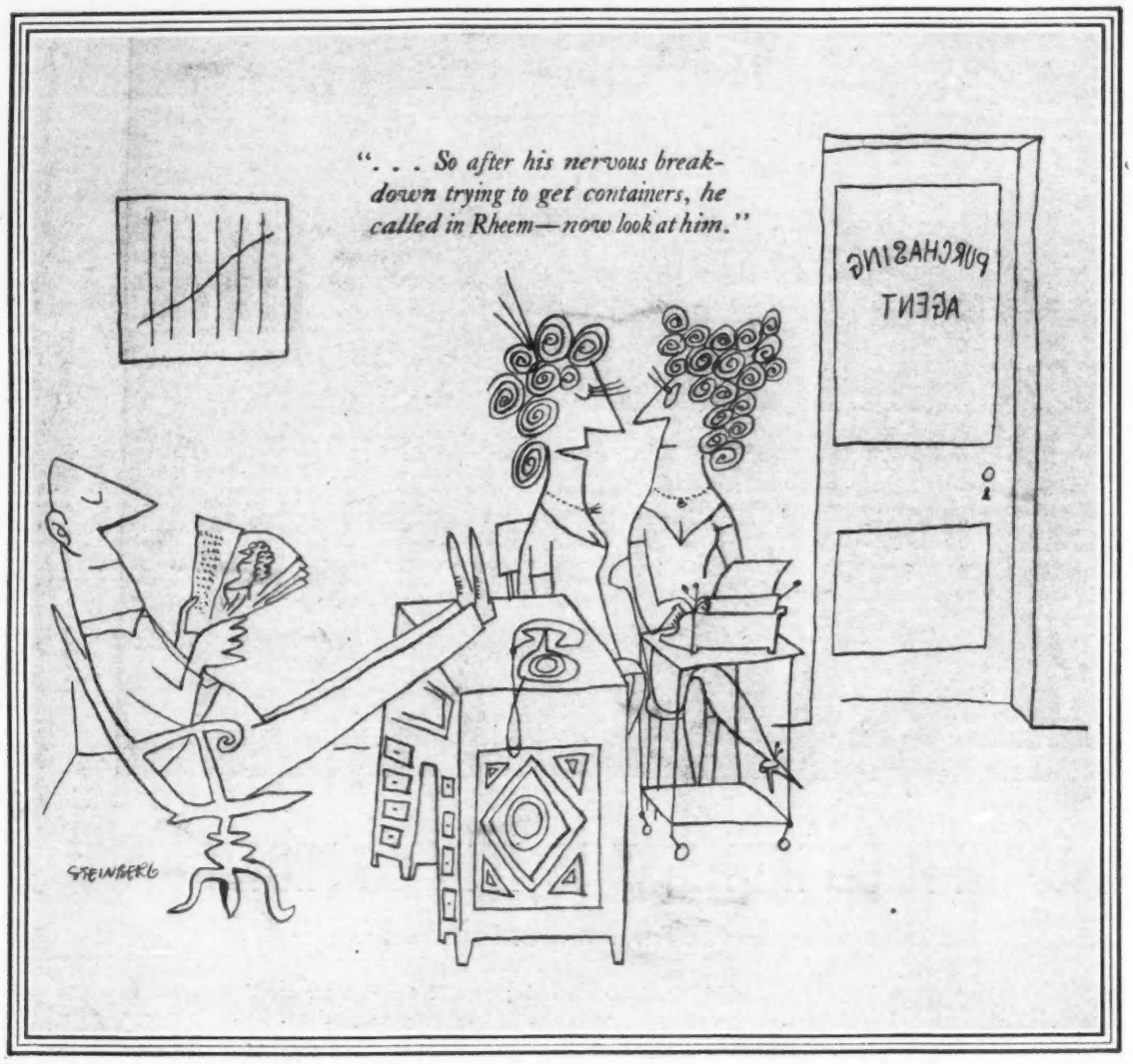
triple, 48% or more, a.p.a., pulv., bulk..unit-ton. .71 - —
South Carolina.....unit-ton. .75 - —
Tennessee .....unit-ton. .80 - —

Prices on 48% triple superphosphate in other states and D.C., 11c. per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, bls.....lb. 1.10 - 1.25

T

Talc, dom., ordinary, grd., bgs., c.l., New York works..ton.21.00 - —
l.c.l., works.....ton.22.50 -24.50
Calif., bgs., c.l., works.....ton.22.00 -30.00
Vermont, bgs., c.l., works..ton.14.00 - —
l.c.l., works .....ton.17.50 - —
fibrous, New York, off-color, ground, bgs., c.l., works..ton.24.00 - —
l.c.l. .....ton.26.50 -28.00
88.95-99.95%, grd., bgs., c.l., works..ton.21.00 - —
l.c.l., works.....ton.24.50 - —
98-99.5%, grd., bgs., c.l., works. ton.25.00 - —
l.c.l., works .....ton.30.00 - —
Imp., Canada, grd., bgs., c.l.....ton.35 00 -45.00
Tallow, inedible, extra, loose.....lb. .26¾ - —
fancy, loose.....lb. .27 - —
special, loose.....lb. .26½ - —
sulphonated, 25%, dms.....lb. .14 Nom.
50%, dms.....lb. .17 Nom.
Tamarinds, bbls. .....lb. .10 - .12
Tankage, animal, feeding, 9-11% ammon., bulk..unit-ton.10.50 - —
Chicago .....unit-ton.10.50 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago..unit-ton. No stocks
10-11% ammon., 15% b.p.l., bulk bulk..unit-ton. No stocks.
Tansy leaves, bls .....lb. .15 - .16
Tapioca flour, high grades, bgs.....lb. .10¾ - .11
medium grades, bgs.....lb. .09¾ - .10
Java, bgs. .....lb. No stocks.
Tar acid oil, 15-18%, ref. dms., c.l., works..gal. .38 - —
l.c.l., works.....gal. .41 - —
tanks, works.....lb. .32 - —
25%, dms., c.l., works.....gal. .45 - —
l.c.l., works.....gal. .48 - —
tanks, works.....lb. .39 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports..long ton. No prices
powd., bgs., c.l., same basis.long ton.225.00 - —
Tarragon herb, bgs.....lb. .93½ - .24
Leaves, bgs.....lb. .95 - 1.00
Tartar emetic, tech., gran., or powd., bbls., kgs..lb. .41 - —
dms. .....lb. .41½ - .44
USP, powd., bbls., dms., kgs...lb. .45 - .48
Terpin hydrate, com'l, bbls., c.l....lb. .24½ - —
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms.....lb. .70 - .75
powd., bbls., dms.....lb .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½ - —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms .....lb. .40 - .66
extra, dms.....lb. .47 - .75
Terpinglycol ether, dms., c.l., works. lb. 19½ - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .65 - 1.10
prime, cns., dms.....lb. .61 - 1.00
Terra alba (see Gypsum).
Tetrachloroethane, dms., works.....lb. .68 - .68½
Tetrachloroethylene, USP, 55-gal. dms., works..lb. .20 - .21½
smaller qms., works.....lb. .23½ - .26
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .65 - —
Tetraethylenepentamine, tanks, works. lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd..lb.15.00 -17.50
Theobromine, bots., kgs.....lb. 5.15 - —
Thiamine hydrochloride, dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thourea, tech., dms., works.....lb. .40 - —
Thorium nitrate, cs., works.....lb 3.00 - —
Thyme, French, bgs.....lb. .26 - .26½
futures, bgs. .....lb. .25½ - .26
Spanish, bls. .....lb. .11½ - .12
Thymol, USP, kgs.....lb. 3.65 - 3.75
Iodide, NF, dms.....lb. 3.55 - 4.25
Timbo root (see Cube root).



Rheem's 7 container plants are strategically located throughout the United States

There's one nearby to serve you

Rheem
MANUFACTURING COMPANY
Steel Container Division

Tin crystals, bgs., bbls., works....lb. .55 - .60
Metal, Bolivian.....lb. .80 - —
Straits .....lb. .80 - —
Oxide, bbls. .....lb. .80 - .82
Tetrachloride, anhyd., dms., works, lb. .50 Nom.
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd.....lb. 16½- —
l.c.l., dlvd. .....lb. .17 - .17½
plain, bgs., c.l., dlvd.....lb. 16½- —
l.c.l., dlvd.....lb. 17½- —
rutile, natural, granular, bgs., c.l., works..lb. .06¼- —
l.c.l., works .....lb. .06⅜- —
milled, bgs., c.l., works.....lb. .06¼- —
l.c.l., works .....lb. .06⅜- —
nonchalking, bgs., c.l., dlvd. E. lb. .18¼- —
l.c.l., dlvd. E.....lb. .19 - .19½
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base, bgs., c.l., dlvd..lb. 06½- —
l.c.l., dlvd.....lb. .07 - —
Calcium base, bgs., c.l., dlvd..lb. 06¼- —
l.c.l., dlvd .....lb. 06¾- —
Calcium-rutile base, bgs., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd .....lb. .06⅜- —
Magnesium base, bgs., c.l., dlvd...lb. No prices
l.c.l., dlvd.....lb. No prices
Titanium dioxide and pigment in bbls., ¼c. highe.; Pac. coast, c.l., dlvd., l.c.l., ex whse., ½c higher
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller, pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works..lb. .32 - —
smaller pkgs., works.....lb .40 - 1.00
Tolu balsam, cns..... .....lb. 3.55 - 3.75
Toluene (see Toluol).
Tolidin base (see Orthotolidin).
Toluol (toluene) 2° indust., ret. dms., works..gal. .28 - —
tanks, E. of Omaha, frt. alld..gal. .23 - —
W. of Minnequa, Colo., works gal. .23 - —
1° nitration, ret. dms., works...gal. .28 - —
tanks, E. of Omaha, frt. alld..gal. .23 - —
W. of Minnequa, Colo., works gal .23 - —

Prices on 2° toluol from petroleum, tanks delivered (maximum freight allowance in parentheses), are:—Ark., 23c.; Chicago, 23c. (2¾c.); Del.-Md.-D. C., 23c. (2¾c.); Detroit, 23c. (1 8/10c.); La., 23c.; N. E., 23c. (2¼c.); N. J., 23c.; N. Y., 23c.; E. Tenn. & N. C., 23c. (5c.); Pa., 23c. (2¾c.); S. C., 23c.; W. Tenn., 23c. (3¾c.); Va., 24c. (3½c.); W. Va., 23c. (2¾c.).

Tonga, 50% bark and vine, bls....lb. .90 - .91
Tonka beans, Angostura, cks.....lb. 1.70 - 1.80
Brazilian, cs. .....lb. .85 - .90
Surinam, cs. .....lb. .85 - .90
Totaquine, USP, 100-oz. lots.....oz. .52 - —
Triacetin, dms., works.....lb. .40½- —
Tributyl citrate, dms.....lb. .41 - .50
smaller pkgs.....lb. .52 - .56
Phosphate, dms., l.c.l., frt. alld., E. of Rockies. lb .68 - —
smaller pkgs. .....lb. .72 - .74
Tributylamine, dms., c.l., works..lb. .78 - —
l.c.l., works .....lb. .81 - —
tanks, same basis .....lb. .07½- .09⅝
Trichlorobenzene, dms., c.l., works, frt. alld. or equald..lb. .08½- .11
l.c.l., same basis.....lb. .09½- .12
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1..lb. .09¾- —
zone 2 .....lb. .10½- —
zone 3 .....lb. .11 - —
zone 4 .....lb. .11 - —

Trichloroethylene dm., c.l. prices ½c. higher; l.c.l. 1½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate coaltar, dms., c.l., frt. equald..lb. .32½- .33
l.c.l., dlvd .....lb. .33 - .33½
tanks, dlvd .....lb. .31 - .32
petroleum, dms., c.l., dlvd.....lb. .37 - —
l.c.l., dlvd.....lb. .37½- —
tanks, dlvd.....lb. .36 - —
Triethanolamine, dms., c.l., frt. alld. E..lb. .20½- —
l.c.l., same basis.....lb. .21½- —
smaller containers.....lb. .24½- —
tanks, same basis.....lb. .19 - —
Triethyl citrate, dms.....lb. .34 - .42
smaller pkgs.....lb. .45 - —
Phosphate, dms., works, c.l.....lb. .38 - —
dms., l.c.l., same basis.....lb. .39 - —
tanks, same basis.....lb. .37 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%..... ....lb. .36 - —
tanks, works, basis 100%..... lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. E. lb. .18½- .19
l.c.l., same basis.....lb. .19½- .21
tanks, same basis.....lb. .17½- —
Triethylenetetramine, tanks, works.lb. .50 - —
Trimethylamine, anhydrous, cyl., works, basis 100%..lb. .20½- .39½
25%-40%, dms., c.l., works, basis 100%..lb. .29 - —
l.c.l., works, basis 100%.....lb. .29½- —
tanks, works, basis 100%.....lb. .25 - —
Triphenyl phosphate, bbls., c.l., frt. equald..lb. .26 - —
l.c.l., frt. alld.....lb. .27 - —
Triphenylguanidine, bbls., works....lb. .75 - —
Tripoli, air-floated, ogs., c.l., works.lb. .0175- —
double-grd., c.l., works.....lb. .016 - —
single-grd., bgs., c.l., works.....lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms., works..lb. 4.75 - —
Oxide, kgs., works.....lb. 2.85 - —
Turmeric root, Alleppey, bls.....lb. .24 - .24½
Haitian, futures, bls.....lb. .13 - .13½
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs. .....lb. .20 - .20½
Turpentine, gum (see Naval Stores, Protective Coatings market).
Sulphate, ret. dms., East.....gal. .63 - —
tanks, East .....gal. .60 - —
Wood, dest.-dist., dms., incl., c.l., works, South..gal. .45 - —
l.c.l., same basis.....gal. .46 - —
N. Y. whse.....gal. .60 - —
steam-dist., dms. incl., l.c.l., East. gal. .75 - —
tanks, South .....gal. .55 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb. 2.55 - —
yellow, kgs .....lb. 1.65 - —

Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.73.00 - —
l.c.l., bgs., ship. pts.....ton.76.50 - —
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports. ton.73.00 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..NH_3-ton.112.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Uva ursi leaves, bls.....lb. .13 - .14

V

Valerian root, Belgian, NF, bls...lb. .56 - .58
Indian, bls. .....lb .40 - .41
Valonia beards, bgs., ex dock....ton.85.00 - —
Cups, bgs., ex dock.....ton.57.00 -58.00
Extract, powd., bgs., ex dock, duty extra..lb. .09½- —
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.20 - —
Vanilla beans, Bourbon, tins.....lb. 7.75 - 8.50
Mexican, cans, tins.....lb. 7.50 - 8.00
whole, tins .....lb. 8.25 - 9.50
Tahiti, tins.....lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs....lb. 4.50 - —
smaller lots .....lb. 4.55 - 4.65
ex guaiacol, tins, 25 lbs.....lb 3.00 -
smaller lots.....lb. 3.05 - 3.15
ex lignin, dms., 25-lb. lots.....lb. 3.00 - 4.50
tins, smaller lots.....lb. 3.05 3.15
smaller lots, tins.....lb 3.05 - 3.15
Venice turpentine, artif., cns.....lb. .24 - .26
Verdigris, bbls. .....lb. .28 - .29
Vinyl acetate, 55-gal. dms., works..lb. .16½- .17½
5-gal. cns., works.....lb. .30 - —
tanks, works.....lb. .15 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works....lb. 1.50 - —
Viosterol, bots., 100 billion USP units mill units .04 - —
1 billion USP units....mill units .05 - —
100 million USP units..mill units .07 - —
Vitamin A (see Oils, codliver, fishliver).
A concentrate, dms., works.... mill. units .36 - .40
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotin, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls.....lb. 2.25 - 2.30
Tree bark, bls.....lb. .45 - .50
Wattle bark, fair average, or E. Afr., bgs., ex dock..ton.69.00 -71.00
merchantable, bags, ex dock..ton.65.00 -67.00

Tin Crystals—Wax, Carnauba

Wattle bark, extract, liquid, 35% tannin, bbls., works..lb. .06⅝- .07⅛
tanks, works .....lb. .06⅛- .06⅞
solid, E. Afr., 61% tannin, ex dock, duty extra..lb. .07⅞- —
S. Afr., 62% tannin, ex dock, duty extra..lb. .07⅞- —

Wattle extract prices based on $17 freight and $1 insurance per long ton.

Wax amorphous (see Wax, micro crystalline)
Bayberry, bgs. .....lb. No stocks
Bees, bleached, USP, white, bricks, cs..lb. .70 - .73
slabs, bgs. .....lb. .69 - .71
crude, African, bgs.....lb. .50 - .51
Western hemisphere, bgs.....lb. .51 - .52
refined, yellow, bricks, cs.....lb. .60 - .62
slabs, bgs. .....lb. .58 - .60
Candelilla, crude, bgs.....lb. .62 - .64
refined, bgs. .....lb. .65 - .67

Powdered candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, No. 3, bgs., ton lots...lb. .74 - .76
North country, No. 2, ton lots....lb. .80 Nom.
No. 3, bgs., ton lots.....lb. .77 - .79
refined, bgs., ton lots.....lb. .81 - .83
yellow, No. 1, bgs., ton lots.....lb. 1.40 - 1.50
No. 2.....lb. 1.38 - 1.48

Powdered carnauba price differentials same as powdered candelilla.

Wax, Ceresin—Zinc Sulphide

Wax, ceresin, dom., 132°-136° m.p., bgs..lb. .16 - .16½
138°-140° m.p., bgs.....lb. .18 - .18½
158°-162° m.p., bgs.....lb. .22 - .23
Japan, bgs. .....lb. .55 - .57
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns, 30 tons yearly contract, group 3 works..lb. .16 - —
smaller lots, same basis....lb. .16 - .17½
170°-175° m.p., ASTM, black ctns., 30 tons, same basis..lb. .14½- —
smaller lots, same basis....lb. .14½- .15½
white, ctns., 30 tons, same basis. lb .27 - —
smaller lots, same basis. ...lb. .27 - .29
190°-195° m.p., ASTM, amber, ctns., 30 tons, same basis. lb. .21 - —
smaller lots, same basis.....lb. .21 - .22
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis..lb. .19½- —
smaller ctns., same basis....lb. .19½- .20½
white, ctns., 30 tons, same basis. lb. .34 - —
smaller lots, same basis.....lb. .34 - .35
Montan, crude, bgs.....lb. .45 - .46
Quicksilver, crude, bgs., ton lots....lb. .60 - .62
refined, bgs., ton lots.....lb. .66 - .68
Ozokerite, dom., 180-190 m.p., bgs., c.l...lb. .36 - —
182-183 m.p., bgs., c.l.....lb. .31 - —
171-172 m.p., bgs., c.l.....lb. .27 - —
Spermaceti, blocks, cs.....lb. .48 - .50
cake, cs. .....lb. .49 - .51

White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs lb. 2.00 - —
White pine bark, rossed, bls.....lb 18 - .19
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, St. Louis, works ton.10.00 - —
40 tons, N. Y. whse.....ton.18.00 - —
smaller lots, St. Louis, works.ton 12.50 - —
wet-grd., air-floated, 98% 325 mesh, bgs., c.l.....ton.14.50 -27.50
99% 200 mesh, bgs., c.l.....ton. No prices
99% 200 mesh, bgs., c.l.....ton. No prices
water-floated, extra gilders, bgs., c.l...ton.14.50 -28.00
gilders, bgs., c.l.....ton. No prices
putty grade, bgs., c.l.....ton.13.00 - —
surface treated, bgs., c.l. Ohio works..ton.30.00 - —
Paris white, bgs., c.l.....ton.25.00 -31.00
l.c.l. .....ton.25.00 -29.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l. .....ton.22.00 -25.00
Wild cherry bark, thick, bls.....lb .06 - .07
thin, natural, bgs.....lb. .17 - .18
rossed, green, bls.....lb 24 - 26
Wild indigo root, bls.....lb. 30 - 31
Witch hazel leaves, bls.....lb 25 - 26
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., works, East..ton.32.00 - —
l.c.l., same basis.....ton.40.00 - —
60 mesh, bulk, c.l., same basis..ton.37.00 - —
l.c.l., same basis.....ton.45.00 - —
80-100 mesh, bulk, c.l., same basis. ton.40.00 -45.00
l.c.l., same basis.....ton.50.00 -55.00
Woodflour in bgs. extra, returnable.

Woolfat (see Lanoline).
Wormseed, American, bgs.....lb. .17 - .18
Levant, bgs. .....lb. 4.25 - 4.80
Wormwood, bls. .....lb. .50 - .50

X

Xanthorrhiza root, bls.....lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ret. dms., c.l., works, frt. equald. ..lb. .19½- —
l.c.l., same basis.....lb. .19⅝- —
tanks, same basis .....lb. .18½- —
fractions, ret. dms., c.l., same basis, gal. 1.26 - 1.31
l.c.l., same basis.....gal. 1.29 - 1.34
tanks, same basis.....gal. 1.20 - 1.25
Xylidins, mixed, dms .....lb. 38 - .38½
Xylol (xylene), indust., ret. dms., works..gal. .30 - .31½
tanks, E. of Omaha, frt. alld...gal. .25 - .26½
W. of Minnequa, Colo., works gal. .25 - .26½
10°, ret. dms., works.....gal. .32 - .33½
tanks, E. of Omaha, frt. alld..gal. .27 - .28½
5°, ret. dms., works.....gal. .40 - .41½
tanks, E. of Omaha, frt. alld..gal. .35 - .36½
3°, ret. dms., works.....gal. .45 - .46½
tanks, E. of Omaha, frt. alld...gal. .40 - .41½

Prices on 3 to 10-degree xylol from petroleum, tanks, delivered (maximum freight allowances in parentheses), are:—Ark., 26½c.; Del.-Md.-D. C., 26½c. (2⅝c.); Detroit, 26½c. (1 8/10c.); La., 26½c.; N. E., 26½c. (2½c.); N. J., 26½c.; N. Y., 26½c.; E. Tenn. and N. C., 29½c. (5c.); Pa., 26½c. (2¾c.); S. C., 29½c.; W. Tenn., 25½c. (3⅜c.); Va., 27½c. (3½c.); W. Va., 26½c. (2¾c.); the Chicago price is 23½c., f.o.b. terminal.

Y

Yara yara, cryst., bots., cns. ....lb. 1.62 - 1.75
Yeast, brewer's dry, 50 B units, dms..lb. 35 - —
90 B units, dms.....lb. 45 - —
200 B units, dms.....lb. 50 - —
300 B units, dms.....lb. 60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —

Barium chromate yellow price diffenentials in other States and city zones are those for chrome yellow below

Benzidin, bbls., dlvd.....lb. 1.60 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies..lb. 2.40 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. .85 - —

Cadmium yellows, Los Angeles and San Francisco, ex whse 1c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island St. Louis St Paul, contracts..lb. .27 - —

Dlvd Ala., Fla., Ga., La., S. (except), 1½c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c. higher, Ft Worth, Tex., 1½c higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago

Hansa, bbls., same basis as chrome. lb. 1.60 - —
Primrose, bbls. same basis.....lb 1.90 - —
Iron oxide, natural, bgs., c.l., works. lb. .01½- .02¾
l.c.l., works .....lb. .02¾- .03¾
French type, bgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¼- —
Peruvian type, bgs., c.l...ton.27.00 -32.00
synth., bgs., c.l., works.....lb. .08¼- —
l.c.l., works.....lb. .08½- —
Mercury oxide, bbls., 1,000 lbs....lb. 1.37 - —
smaller lots.....lb. 1.35 - —
Ocher, American, golden, bgs., works. lb. .01½- .02¾
Zinc, bbls., same basis as chrome..lb. .20 - —
Yellow dock root, bls.....lb 23 - 25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls.....lb. .45 - .50
Yohimbine hydrochloride, vis.....oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works.....lb 25 - —
smaller lots works.....lb 30 - —
Zinc acetate, tech., bbls., dms ....lb. 20 - —
USP, bbls. .....lb 26 - 27
kgs. .....lb. 27 - 29
Arsenite, bgs., c.l., frt. alld. E. of Rockies..lb No stocks
l.c.l., same basis. .....lb. No stocks
Carbonate, tech., rubber makers', bbls., works..lb. 10¾- 11¾
USP, precip., powd., bbls .....lb 35 - —
dms. .....lb 40 - —
kgs .....lb 37 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 6.25 - —
l.c.l., works.....100 lbs. 6.75 - —
gran., bbls., c.l., works..100 lbs. 7.00 - —
l.c.l., works .....100 lbs. 7.40 - —
solution, 50%, dms., c.l., works lb. .0365- —
l.c.l., works.....lb. .0425- —
tanks, works .....lb .0230- —
USP, gran., dms.....lb. 30 - 3
jars .....lb 35 - 36
Chromate (see Yellow, zinc).
Cyanide, kgs., works..... lb. 34 - 35
Diethyldithiocarbamate, dms., works, lb. 1.15 - —
Dust, bbls., c.l., dlvd.....lb .1250- .1260
l.c.l., dlvd .....lb .1.5- .1300
Fluoride, bbls., works.....lb. .18 - .19
Hydrosulphite, dms., works..... lb .16 - —
Iodide, NF, jars.....lb 4.65 - —
Laurate, bbls.....lb. .45 - .46
Linoleate, solid, 9½%, bbls.....lb .53¼- —
Metal slabs .....lb. .1100- —
E. St. Louis.....lb .10¾- —
Naphthenate, liquid, 8% Zn, dms..lb, .13¾- —
lb. .13¾- —
10% Zn, dms..... lb .21 - —
solid, 14% Zn, dms ..... lb .31¾- —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld..lb. .10 - —
l.c.l., works.....lb .10¼- —
American process, com'l lead-free, bgs., c.l., ship't point, frt. alld..lb. .10 - —
l.c.l., works.....lb. .10¼- —
leaded, 5%, bgs., c.l., ship't l.c.l., works..... lb. .10¼- —
point, frt. alld..lb. .10 - —
35%, bgs., c.l., ship't point, frt. alld..lb. .11¾- —
l.c.l., works.....lb. .12 - —
50%, bgs., c.l., ship't point, frt. alld. lb .12⅝- —
l.c.l., works..... lb .12⅞- —
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld..lb. .12¼- —
l.c.l., works.....lb. .12½- —
green, seal, bgs., c.l., ship't point, frt alld..lb. .11¾- —
l.c.l., works .....lb. .12 - —
red seal, bgs., c.l., ship't point, frt. alld..lb. .11¼- —
l.c.l., works.....lb. .11½- —
white seal, bgs., c.l., ship't point, frt. alld..lb. .12¼- —
l.c.l., works.....lb. .12½- —
USP, ctns., c.l., ship't point, frt. alld..lb. .13¼- —
l.c.l. same basis.....lb. .13½- —

Zinc oxide Pac coast prices ¾c. higher; bbls., prices ¼c. higher than bgs.

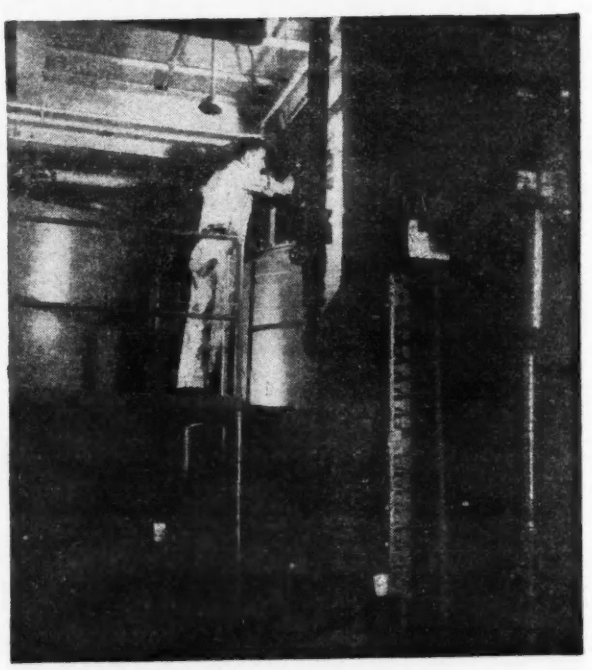
Resinate, fused, 9% Zn, pwd., dms.lb .19½- —
Silicofluoride, bbls., works.....lb. .11 - —
Stearate, ctns., 2,000 lbs.....lb. .51 - —
smaller lots.....lb. .52 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld..100 lbs. 4.15 - —
l.c.l., same basis.....100 lbs. 4.90 - —
flake, 25½% Zn., bgs., c.l., same l.c.l., same basis.....100 lbs 5.55 - —
powd., 36% Zn, bgs., c.l., same basis..100 lbs. 6.75 - —
l.c.l., same basis....100 lbs. 7.50 - —

Zinc sulphate in bbls., 40c. higher

Sulphide, pure, bgs., c.l., dlvd..lb. .10½- —
l.c.l., works .....lb. .10¾- —
Barium pigment, bgs., c.l., dlvd.lb. .07½- —
l.c.l., works.....lb. .07¾- —

NOW...YOUR BEST VITAMIN A BUY... ON ANY COUNT!

You've never used a better Vitamin A Concentrate than that now being offered by *NOPCO. By any purchasing standards you have — stability, blandness, light color, low viscosity — the present NOPCO Vitamin A Concentrate is the outstanding Vitamin A product made to date, for use in pharmaceuticals and foods.



Productive NOPCO research, and exclusive NOPCO concentration equipment, now are paying off for you — with the finest Vitamin A Concentrate you can use in your products. Arrange to have a NOPCO representative show you a sample of this latest NOPCO Vitamin A Concentrate. Write today—to Special Markets Dept., NOPCO Chemical Company, Harrison, N. J.

NOPCO'S Complete "A and D Line" Includes:—

Vitamin A Concentrate from Fish Liver Oil
Vitamin D Concentrate from Fish Liver Oil
Irradiated Ergosterol — potencies up to 3,000,000 U.S.P. units per gram
Combinations of Vitamin A with "Natural" D or D2

NOPCO CHEMICAL COMPANY
Formerly National Oil Products Co.
HARRISON, NEW JERSEY
BOSTON • CEDARTOWN, GA.
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Pioneer producers of *natural* Vitamin A and Vitamin D, Vitab Rice Bran Concentrate and Calcium Pantothenate.

Zinc sulphide, calcium pigment, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., works	lb.	.07¾-	—
Luminescent pigment, frt. alld.	lb.	1.00 -	3.00
Magnesium pigment, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd.	lb.	.07¾-	—
Zinc sulphide and pigment, Pac. coast prices ½c. higher; bbl. prices ½c. higher than bgs.			
Sulphocarbolate, NF, gran., bbls., dms.	lb.	.26 -	.30
Yellow (see Yellow, zinc).			
Zinc-ammonium chloride, bbls., c.l., works	100 lbs.	7.15 -	—
l.c.l., works	100 lbs.	7.55 -	—
Zinc-cadmium sulphide, fluorescent, cns., frt. alld.	lb.	2.00 -	2.80
Zinc-formaldehyde sulphoxalate, basic, dms., works, frt. alld.	lb.	.17 -	—
normal, dms., works, frt. alld.	lb.	.35 -	—
Zinc-iron oxide pigment, bgs., c.l. dlvd.	lb.	.08½-	—
Pac. coast	lb.	.09¼-	—
l.c.l., dlvd. E. of Rockies	lb.	.09 -	—
Pac. coast	lb.	.09¾-	—
Zircon (see Zirconium silicate).			
Zirconium acetate, solution, bbls., works	lb.	.25½-	—
Hydride, cns., works	lb.	7.00 -	—
Oxide, 88%, 92%, grd., bbls. or bgs., any quantity, works	lb.	.25 -	—
98½-99%, white, grd., bbls. or bgs., works	lb.	1.50 -	—
lump, electric-fused, bgs., c.l., works	lb.	.44 -	—
5 tons, works	lb.	.44½-	—
2,000 lbs. and less, works	lb.	.45 -	.48
milled, electric-fused, bgs., c.l., works	lb.	.59 -	—
5 tons, works	lb.	.59½-	—
2,000 lbs. and less, works	lb.	.60 -	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½-	—
Silicate, granular, bgs., c.l., works.	lb.	.03¾-	—
5 tons, works	lb.	.04 -	—
2,000 lbs. and less, works	lb.	.04¼-	.04¾
milled, bgs., c.l., works	lb.	.04¾-	—
5 tons, works	lb.	.05¼-	—
2,000 lbs., works	lb.	.05¾-	.06¾
refined, bgs., c.l., works	lb.	.11 -	—
5 tons, works	lb.	.11½-	—
2,000 lbs. and less, works	lb.	.12 -	.16
Sulphate, basic, cake, ctns., c.l., works	lb.	.37½-	—
5 tons, works	lb.	.38 -	—
2,000 lbs and less, works	lb.	.38½-	.39

Synthetic Resins and Branded Paint Materials

(Manufacturers' List Prices)

A

ABALYN (see methyl abietate in Current Market Quotations).			
AROCLORS, distilled, dms., c.l., works.	lb.	.18 -	—
ton lots, works	lb.	.18½-	—
single dms., works	lb.	.19 -	—
undistilled, dms., c.l., works	lb.	.15½-	—
ton lots, works	lb.	.16 -	—
single dms., works	lb.	.16½-	—

B

BAKELITE, B.R. 254, dms., c.l., frt. alld.	lb.	.38 -	—
l.c.l., frt. alld.	lb.	.38½-	—
4036, c.l., frt. alld.	lb.	.39 -	—
l.c.l., frt. alld.	lb.	.39½-	—
8900, c.l., frt. alld.	lb.	.41 -	—
l.c.l., frt. alld.	lb.	.41½-	—
9400, c.l., frt. alld.	lb.	.33 -	—
l.c.l., frt. alld.	lb.	.33½-	—
9432, c.l., frt. alld.	lb.	.32 -	—
l.c.l., frt. alld.	lb.	.32½-	—
17700, c.l., frt. alld.	lb.	.34 -	—
l.c.l., frt. alld.	lb.	.34½-	—
17620, c.l., frt. alld.	lb.	.28 -	—
l.c.l., frt. alld.	lb.	.28½-	—
9367, c.l., frt. alld.	lb.	.25 -	—
l.c.l., frt. alld.	lb.	.25½-	—
9476, c.l., frt. alld.	lb.	.34 -	—
l.c.l., frt. alld.	lb.	.34½-	—
8360, c.l., frt. alld.	lb.	.37 -	—
l.c.l., frt. alld.	lb.	.37½-	—
10282, c.l., frt. alld.	lb.	.34 -	—
l.c.l., frt. alld.	lb.	.34½-	—
14634, c.l., frt. alld.	lb.	.34 -	—
l.c.l., frt. alld.	lb.	.34½-	—
15775, c.l., frt. alld.	lb.	.26 -	—
l.c.l., frt. alld.	lb.	.26½-	—
2072, c.l., frt. alld.	lb.	.25½-	—
l.c.l., frt. alld.	lb.	.26 -	—
11544, c.l., frt. alld.	lb.	.24½-	—
l.c.l., frt. alld.	lb.	.25 -	—
302, c.l., frt. alld.	lb.	.37 -	—
l.c.l., frt. alld.	lb.	.37½-	—
2175, c.l., frt. alld.	lb.	.38½-	—
l.c.l., frt. alld.	lb.	.39 -	—
BV-1600, c.l., frt. alld.	lb.	.30 -	—
l.c.l., frt. alld.	lb.	.30½-	—
10673, c.l., frt. alld.	lb.	.35 -	—
l.c.l., frt. alld.	lb.	.35½-	—
XV-17656, c.l., frt. alld.	lb.	.55 -	—
l.c.l., frt. alld.	lb.	.55½-	—
BK-3962, c.l., frt. alld.	lb.	.29 -	—
l.c.l., frt. alld.	lb.	.29½-	—
16624, c.l., frt. alld.	lb.	.29½-	—
l.c.l., frt. alld.	lb.	.30 -	—
16302, c.l., frt. alld.	lb.	.33 -	—
l.c.l., frt. alld.	lb.	.33½-	—
XR-3180, c.l., frt. alld.	lb.	.70 -	—
l.c.l., frt. alld.	lb.	.70½-	—
4357, c.l., frt. alld.	lb.	.72 -	—
l.c.l., frt. alld.	lb.	.72½-	—
BJ-15408, c.l., frt. alld.	lb.	.36½-	—
l.c.l., frt. alld.	lb.	.37 -	—
16580, c.l., frt. alld.	lb.	.39 -	—
l.c.l., frt. alld.	lb.	.39½-	—
BR-17920, c.l., frt. alld.	lb.	.49 -	—
l.c.l., frt. alld.	lb.	.49½-	—
XRS-2, c.l., frt. alld.	lb.	.50 -	—
l.c.l., frt. alld.	lb.	.50½-	—

Prices are f.o.b. Bakelite corporation's plants or warehouses, minimum transportation charges prepaid on units of standard drums or over to destination in United States except as follows:—Add 1c. per pound to list prices for prepaid delivery to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Shipments made via customer's routing will be shipped transportation charges collect and allowance for minimum transportation charges will be credited on invoice covering materials shipped. No transportation charges allowed on shipments of any materials in less than standard drum quantities.

BEETLE, 212-9, dms., c.l., frt. alld.	lb.	.40½-	—
l.c.l., same basis	lb.	.41 -	—
219-8, c.l., frt. alld.	lb.	.29 -	—
l.c.l., same basis	lb.	.29½-	—
227-8, c.l., frt. alld.	lb.	.29 -	—
l.c.l., same basis	lb.	.29½-	—
230-8, c.l., frt. alld.	lb.	.34¾-	—
l.c.l., same basis	lb.	.35¼-	—
251-8, c.l., frt. alld.	lb.	.31½-	—
l.c.l., same basis	lb.	.32 -	—
592-8, c.l., frt. alld.	lb.	.30¾-	—
l.c.l., same basis	lb.	.31¼-	—

C

CELLOLYN 102, non-ret. dms., dlvd., c.l., zone 1.	lb.	.20 -	—
l.c.l., same basis	lb.	.20½-	—
103, c.l., same basis	lb.	.21 -	—
l.c.l., same basis	lb.	.21½-	—
95, c.l., same basis	lb.	.28 -	—
l.c.l., same basis	lb.	.28½-	—
501, c.l., same basis	lb.	.306 -	—
l.c.l., same basis	lb.	.311 -	—
CUMAR resin, DX, gross weight	lb.	.05½-	—
EX, gross weight	lb.	.05½-	—
FX, gross weight	lb.	.06 -	—
MH, Col. 1	lb.	.13 -	—
1½-2	lb.	.12 -	—
2½-3½	lb.	.11 -	—
9	lb.	.09 -	—
MS	lb.	.11 -	—
P, 10°-90°, C., col. 2½ and darker.	lb.	.11 -	—
RH	lb.	.11 -	—
RS	lb.	.11 -	—
V col. ½	lb.	.14 -	—
1	lb.	.13 -	—
1½-2	lb.	.12 -	—
2½ and darker	lb.	.11 -	—
W col, ½	lb.	.14½-	—
1	lb.	.13½-	—
1½-2	lb.	.12½-	—
2½ and darker	lb.	.11½-	—

All "P" grades with melting point below 50 degrees C., and grades AX and BX are shipped in steel drums. Grades CX, DX, EX and FX are sold on a gross weight basis. All other grades are sold on a net weight basis and are shipped in destructible metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankfort, Pa., freight equalized with Pittsburgh.

D

DOW resin 276, V-2 and V-9, 55-gal. drums, c.l., works	lb.	.24 -	—
276, V-2, V-9, dms., l.c.l., same basis	lb.	.24½-	—
5 and 10-gal drums, same basis	lb.	.39 -	—
DOW CORNING silicone resins DC-801, f.o.b. Midland, Mich., 5-10 gal. cans	gal.	19.40 -	—
30-50 gals., dms.	gal.	18.65 -	—
DC-802, 5-10 gals., same basis	gal.	19.40 -	—
30-50-gal. dms., same basis	gal.	18.65 -	—
DC-803, 5-10 gals., same basis	gal.	15.70 -	—
30-50-gal. dms., same basis	gal.	15.10 -	—
DC-804, 5-10 gals., same basis	gal.	19.40 -	—
30-50-gal. dms., same basis	gal.	18.65 -	—
DC-993, 50% solids, 5-10 gals., same basis	gal.	15.50 -	—
30-50-gal., dms., same basis	gal.	14.90 -	—
DC-995, 70% solids, 5-10 gals., same basis	gal.	23.25 -	—
30-50-gal., dms., same basis	gal.	22.40 -	—
DC-996, 5-10 gals., same basis	gal.	15.50 -	—
30-50-gal. dms., same basis	gal.	14.90 -	—
DC-2103, 5-10 gals., same basis	gal.	18.80 -	—
30-50-gal. dms., same basis	gal.	18.10 -	—

E

ETHOCEL (see Ethylcellulose in Current Market Quotations).

F

FALKYD A-2, 60% solids, dms. incl., c.l.	lb.	.29½-	—
l.c.l., same basis	lb.	.30 -	—
A-3, 50% solids, dms. incl., c.l.	lb.	.24¾-	—
l.c.l., same basis	lb.	.25¼-	—
A-3-LV, 50%, solids, dms. incl., c.l.	lb.	.24¾-	—
l.c.l., same basis	lb.	.25¼-	—
A-4-D, 40% solids, dms. incl., c.l.	lb.	.20¾-	—
l.c.l., same basis	lb.	.21¼-	—
A-4-D, 50% solids, dms. incl., c.l.	lb.	.25 -	—
l.c.l., same basis	lb.	.25½-	—
A-5-D, 70% solids, dms. incl., c.l.	lb.	.33½-	—
l.c.l., same basis	lb.	.34 -	—
*A-5-D, 100% solids, dms. incl., c.l.	lb.	.45 -	—
l.c.l., same basis	lb.	.45½-	—
A-6, 70% solids, dms. incl., c.l.	lb.	.34 -	—
l.c.l., same basis	lb.	.34½-	—
AA-6, 70% solids, dms. incl., c.l.	lb.	.33½-	—
l.c.l., same basis	lb.	.34 -	—
B-2, 60% solids, dms. incl., c.l.	lb.	.28 -	—
l.c.l., same basis	lb.	.28½-	—
B-2-8, 50% solids, dms. incl., c.l.	lb.	.24½-	—
l.c.l., same basis	lb.	.25 -	—
B-3, 50% solids, dms. incl., c.l.	lb.	.22 -	—
l.c.l., same basis	lb.	.22½-	—
B-84, 50% solids, dms. incl., c.l.	lb.	.22 -	—
l.c.l., same basis	lb.	.22½-	—
B-38, 50% solids, dms. incl., c.l.	lb.	.24½-	—
l.c.l., same basis	lb.	.25¼-	—
B-41, 65% solids, dms. incl., c.l.	lb.	.28 -	—
l.c.l., same basis	lb.	.28½-	—
*B-43-D, 100% solids, dms. incl., c.l.	lb.	.39 -	—
l.c.l., same basis	lb.	.39½-	—
B-5, 85% solids, dms. incl., c.l.	lb.	.34½-	—
l.c.l., same basis	lb.	.35 -	—
B-666, 60% solids, dms. incl., c.l.	lb.	.26 -	—
l.c.l., same basis	lb.	.26½-	—
B-666, 70% solids, dms. incl., c.l.	lb.	.29½-	—
l.c.l., same basis	lb.	.30 -	—
BB-6, 70% solids, dms. incl., c.l.	lb.	.28¾-	—
l.c.l., same basis	lb.	.29¼-	—
C-3, 50% solids, dms. incl., c.l.	lb.	.25 -	—
l.c.l., same basis	lb.	.25½-	—

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Falkyd, C5—Neville Resin

FALKYD, C-5, 70% solids, dms. incl., c.l..lb. .28½- —
l.c.l., same basis.....lb. .29 - —
C-5-D, 70% solids, dms. incl., c.l..lb. .29½- —
l.c.l., same basis.....lb. .30 - —
G-25, 50% solids, dms. incl., c.l..lb. .26½- —
l.c.l., same basis.....lb. .27 - —
G-2500 (xylol), 50% solids, dms. incl., c.l..lb. .25¼- —
l.c.l., same basis.....lb. .25¾- —
G-2500 (hiflash), 50% solids, dms. incl., c.l..lb. .25¾- —
l.c.l., same basis.....lb. .26¼- —
I-72-D-HV, 50% solids, dms. incl., c.l..lb. .29½- —
l.c.l., same basis.....lb. .21 - —
I-7, 60% solids, dms. incl., c.l....lb. .18 - —
l.c.l., same basis.....lb. .18½- —
I-8, 75% solids, dms. incl., c.l.....lb. .19¼- —
l.c.l., same basis.....lb. .20 - —
I-203, 50% solids, dms. incl., c.l..lb. .25 - —
l.c.l., same basis.....lb. .25½- —
I-525, 50% solids, dms. incl., c.l..lb. .21¼- —
l.c.l., same basis.....lb. .21¾- —
L-4-X, 50% solids, dms. incl., c.l..lb. .26¾- —
l.c.l., same basis.....lb. .27¼- —
L-5, 60% solids, dms. incl., c.l....lb. .30¼- —
l.c.l., same basis.....lb. .30¾- —
W-200, 60% solids, dms. incl., c.l..lb. .31½- —
l.c.l., same basis.....lb. .32 - —

Tankcar prices ½c. per lb. below c.l. quotation.
• Tankcar quotation not available.

FALKOTE 285, 100% solids, dms. incl., c.l..lb. .27 - —
l.c.l., same basis.....lb. .27½- —
815, 100% solids, dms. incl., c.l....lb. .27½- —
l.c.l., same basis.....lb. .28 - —

FLEXALYN solution, non-ret. dms., dlvd., c.l., zone 1..lb. .16¾- —
l.c.l., same basis.....lb. .16¾- —

G

GELVA resin, gran., 1½, 2½, 7, 15, 25, 60, 100 and 800 cps., fib. ctns., c.l., dlvd. E. of Miss. R., works..lb. .40 - —
ton lots only, fib. ctns., same basis, lb. .43 - —
over 200 lbs., fib. ctns., same basis, lb. .45 - —
under 200 lbs., fib. ctns., same basis..lb. .60 - —

Special grades of 1½ and 2½ cps. viscosity, low acidity, available at somewhat higher prices. Ctns., included in prices, non-returnable. Prices W. of Miss. R. 5c. per lb. higher.

Solution, 35 cps., 28% solids content in ethanol, non-ret. bbls., f.o.b. Indian Orchard, Mass. gal. 1.75 - —

Water emulsion, approx. 55% solids, grades TS-10, TS-21, TS-30, TS-35, TS-41 (35% solids) and S-50, non-ret. bbls., c.l., dlvd. E. of Rocky Mts., works..lb. .20½- —
ton lots and over, non-ret. bbls., same basis..lb. .22 - —
less than ton lots, non-ret. bbls., same basis..lb. .22½- —

Prices W. of Rocky Mts. 2c. per lb. higher.

GEON polyvinyl resins, No. 101, 30,000 lbs., works..lb. .33 - —
5,000 to 29,999 lbs., works....lb. .34 - —
200 to 4,999 lbs., works.....lb. .36 - —
up to 199 lbs., works.....lb. .50 - —
202, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,999 lbs., works.....lb. .37 - —
200 to 4,999 lbs., works.....lb. .39 - —
up to 199 lbs., works.....lb. .56 - —
203, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,999 lbs., works.....lb. .37 - —
200 to 4,999 lbs., works.....lb. .39 - —
up to 199 lbs., works.....lb. .56 - —
204, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,999 lbs.....lb. .37 - —
200 to 4,999 lbs.....lb. .39 - —
up to 199 lbs.....lb. .56 - —
205, 30,000 lbs. works.....lb. .33 - —
5,000 to 29,999 lbs., works.....lb. .34 - —
200 to 4,999 lbs., works.....lb. .36 - —
up to 199 lbs., works.....lb. .50 - —

GLYPTAL, 2458, dms., c.l., frt. alld..lb. .24½- —
l.c.l.....lb. .25¼- —
2462, c.l., same basis.....lb. .21½- —
l.c.l.....lb. .22 - —
2464, c.l., same basis.....lb. .20 - —
l.c.l.....lb. .20½- —
2466, c. l., same basis.....lb. .26½- —
l.c.l.....lb. .27 - —
2473, c.l., same basis.....lb. .24 - —
l.c.l.....lb. .24½- —
2477, c.l. same basis.....lb. .26½- —
l.c.l.....lb. .27 - —
2480, c.l., same basis.....lb. .23¼- —
l.c.l.....lb. .23¾- —
2503, c.l., same basis.....lb. .38¼- —
l.c.l.....lb. .38¾- —
2504, ., same basis.....lb. .23½- —
l.c.l.....lb. .24 - —
2505, c.l., same basis.....lb. .27 - —
l.c.l.....lb. .27½- —
2508, c.l., same basis.....lb. .42 - —
l.c.l.....lb. .42½- —

GLYPTAL, 2509, c.l., same basis....lb. .20 - —
l.c.l.....lb. .20½- —
2510, c.l., same basis.....lb. .18½- —
l.c.l.....lb. .18¾- —
2514, c.l., same basis.....lb. .23 - —
l.c.l.....lb. .23½- —
2517, c.l., same basis.....lb. .22 - —
l.c.l.....lb. .22½- —
2518, c.l., same basis.....lb. .24 - —
l.c.l.....lb. .24½- —
2527, c.l., same basis.....lb. .23 - —
l.c.l.....lb. .23½- —
2529, c.l., same basis.....lb. .34½- —
l.c.l.....lb. .35 - —
2532, c.l., same basis.....lb. .21½- —
l.c.l.....lb. .22 - —
2555, c.l., same basis.....lb. .28 - —
l.c.l.....lb. .28½- —
2556, c.l., same basis.....lb. .36¾- —
l.c.l.....lb. .37½- —
2570, c.l., same basis.....lb. .24¾- —
l.c.l.....lb. .25¼- —
2583, c.l., same basis.....lb. .22¼- —
l.c.l.....lb. .22¾- —
2585, c.l., same basis.....lb. .21 - —
l.c.l.....lb. .21½- —
2590, c.l., same basis.....lb. .20¾- —
l.c.l.....lb. .21¼- —
2592, c.l., same basis.....lb. .19¼- —
l.c.l.....lb. .19¾- —
2593, c.l., same basis.....lb. .24¾- —
l.c.l.....lb. .25¼- —
2595, c.l., same basis.....lb. .26½- —
l.c.l.....lb. .27 - —

GUAI-A-PHENE, ret. dms., dms. on deposit at $1.00 each, works, 50-55 gals.....gal. 2.47 - —
10 gals., two fives per case, works.....gal. 2.57 - —
5 gals., one can per case, works.....gal. 2.62 - —
6 gals., six ones in single case, works.....gal. 2.72 - —
1 gal., in single carton, works..gal. 2.82 - —

H

HERCOLYN (see methyl abietate hydrogenated) in Current Market Quotations.

L

LEWISOL resin, No. 1, non-returnable f.o.b. customers siding, zone 1..lb. .25 - —
l.c.l., same basis.....lb. .25½- —
2-L, c.l., same basis.....lb. .25 - —
l.c.l., same basis.....lb. .25½- —
20, c.l., same basis.....lb. .23½- —
l.c.l., same basis.....lb. .24 - —
21, c.l., same basis.....lb. .23½- —
l.c.l., same basis.....lb. .24 - —
28, c.l., same basis.....lb. .24 - —
l.c.l., same basis.....lb. .24½- —
33, c.l., same basis.....lb. .25 - —
l.c.l., same basis.....lb. .25½- —

Lewisol resin prices are f.o.b. customer's siding, New Eng. and Middle Atlantic States, Va., W. Va., N. C., Ky., O., Mich., Ind., Ill., Miss., Ala., Ga., Fla., S. C., Tenn., Wis, St Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms, included, not returnable; net 30 days.

M

MARVINOL resin, 30,000 lbs., f.o.b. works..lb. .33 - —
5,000 to 29,999 lbs., same basis..lb. .34 - —
200 to 4,999 lbs., same basis....lb. .36 - —
up to 200 lbs., same basis.....lb. .50 - —
MELMAC, 245-8, dms., c.l., frt. alld..lb. .37½- —
l.c.l., frt. alld..lb. .38 - —
550-8, c.l., frt. alld.....lb. .37¾- —
l.c.l., frt. alld.....lb. .38¼- —
686-9, c.l., frt. alld.....lb. .34 - —
l.c.l., frt. alld.....lb. .34½- —
599-8, c.l., frt. alld.....lb. .36½- —
l.c.l., frt. alld.....lb. .37 - —

METHOCEL (see Methylcellulose in Current Market Quotations).

N

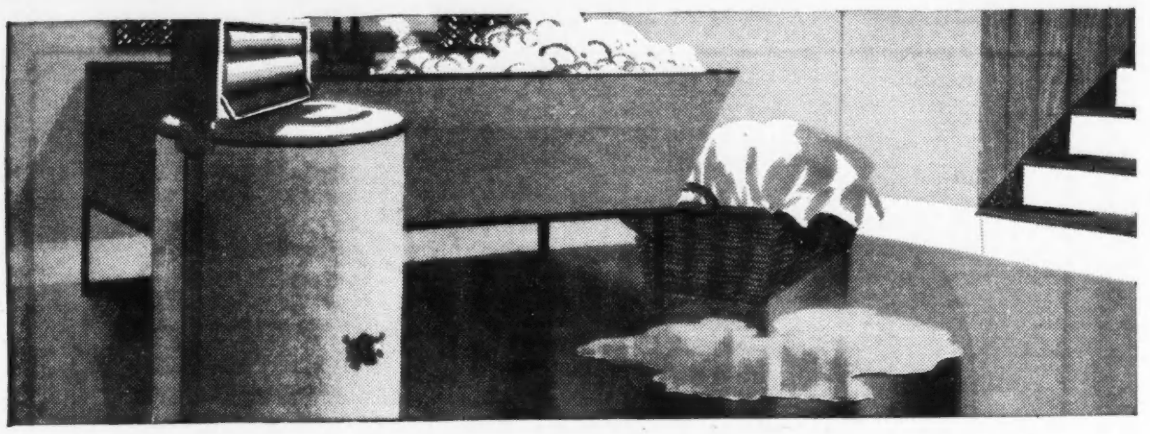
NEO-FAT drying oil, 170, dms., incl., c.l., dlvd..lb. .31½- —
190 dms., c.l., dlvd.....lb. .34¼- —
200 dms., c.l., dlvd.....lb. .37½- —
fatty acid, 3R, dms., incl., c.l., dlvd..lb. .26½- —
17, dms., c.l., dlvd.....lb. .27½- —
19, dms., c.l., dlvd.....lb. .30½- —

Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums are included and not returnable.

NEVILLAC, pale hard, color 1-2, melting point 85-95° C., dms., drums, works..lb. .25 - —
hard, color 2½-4, melting point 85-95° C., same basis..lb. .23 - —
soft, color 2½-4, melting point 65-70° C., same basis..lb. .25 - —
10° C., color ½-4, same basis..lb. .33 - —
ZC, same basis.....lb. .31 - —
OA, same basis.....lb. .45 - —
RP, same basis.....lb. .25 - —
TS, same basis.....lb. .45 - —
RT, same basis.....lb. .31 - —
RX, same basis.....lb. .31 - —
PHO, same basis.....lb. .33 - —

NEVILLE resin, G, dms., net weight, lb. .09½- —
R-1 nevindene, color ½, dms., works..lb. .14½- —
R-3, nevindene, color 1, dms. works..lb. .13½- —
R-5, nevindene, color 1½-2, dms., works..lb. .12½- —
R-6, nevidene, color 2½-3½, dms., works..lb. .11½- —
R-7, N.P.S., color below 3, dms., works..lb. .14 - —
R-9, hard, color ½, dms., works..lb. .14 - —
R-10, hard, color 1, dms., works..lb. .13 - —
R-11, hard, color 1½-2, dms., works..lb. .12 - —
R-12, hard, color, 2½-3½, dms., works..lb. .11 - —
R-13, medium color ½, dms., works..lb. .14 - —
R-14, medium, color 1, dms., works..lb. .13 - —
R-15, medium, color 1½-2, dms., works..lb. .12 - —
R-16, medium, color 2½-4, dms., works..lb. .11 - —
R-16-A, color 4-8, dms., works..lb. .09 - —
R-17, medium, soft, color 3½-8, dms., works..lb. .11 - —
R-19, medium, soft, color 3½-8, dms., works..lb. .11 - —
R-21, soft, color 3½-8, dms., works..lb. .11 - —
R-22, special, soft, color 3½-8, dms., works..lb. .11 - —
R-20, medium, soft, color 2½-8, dms., works..lb. .11 - —
465, 110-125° C., dms., gross weight, Pittsburgh..lb. .04½- —
Resinous oil, No. XI, ret. drums..lb. .02 - —

Neville resin prices, except "G" resin, R-16-A and 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per lb. additional, f.o.b. Neville Island, Pa.



NO. 1126 BECKACITE adds high gloss

non-penetration

excellent alkali and

abrasion resistance

to concrete paints and quick dry enamels

Prewar quality comes back full-strength in No. 1126 Beckacite! Use it for floor and concrete paints, 4-hour enamels, and furniture varnishes and be assured of reputation-building products. Fast bodying and drying with soft oils, high melt point, and excellent solubility with practically all solvents except alcohols are other fine characteristics. Write to the Sales Department at Detroit for a working sample.

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SYNTHETIC RESINS • CHEMICAL COLORS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

NEVINOL, dms., works.....lb. .16 - —
NEVTEX, 10, returnable, dms., works, lb. .08½- —
NUBA, No. 1, 80-90° C., dms., gross weight..works..lb. .03½- —
No. 2, 100-125° C., dms., gross weight, works..lb. .03½- —
No. 3-X, 135-150° C., dms., gross weight, works..lb. .05 - —

P

PARADENE 1, 75-99° C. color 12-16, dms., gross wt., works..lb. .05½- —
2, 100-125° C., color 12-16, dms., gross wt., works..lb. .05½- —
3, 125-140° C., dms., gross wt. works..lb. .06 - —
33, 34, color 10-15, dms., works..lb. 06½- —
35, color 10-15, dms., works, gross wt..lb. .06 - —

Paradene prices are freight equalized in Philadelphia, Pa.

PENTALYN A, non-ret. dms., f.o.b. customer's siding, zone 1, c.l. lb. .15 - —
l.c.l., same basis.....lb. .15½- —
C, c.l., same basis.....lb. .18 - —
l.c.l., same basis.....lb. .18½- —
F, c.l., same basis.....lb. .19½- —
l.c.l., same basis.....lb. .20 - —
H, c.l., same basis.....lb. .20 - —
l.c.l., same basis.....lb. .20½- —
G, c.l., same basis.....lb. .19½- —
l.c.l., same basis.....lb. .20 - —
M, c.l., same basis.....lb. .21½- —
l.c.l., same basis.....lb. .22 - —
M-802A, c.l., same basis.....lb. .21 - —
l.c.l., same basis.....lb. .21½- —
X, c.l., same basis.....lb. .21 - —
l.c.l., same basis.....lb. .21½- —
PHENAC, 604-M, dms., c.l., frt. alld. lb. .22 - —
l.c.l., frt. alld.....lb. .22½- —
608, c.l., frt. alld.....lb. .22 - —
l.c.l., frt. alld.....lb. .22½- —
622-N, c.l., frt. alld.....lb. .21½- —
l.c.l., frt. alld.....lb. .22 - —
X-687, c.l., frt. alld.....lb. .35 - —
l.c.l., frt. alld.....lb. .35½- —
PICCOLASTIC, A-L, A-5, A-25, A-50, B-50, C-5, C-25, C-50, E-50 types, c.l., Clairton, Pa..lb. .20 - —
A-L, etc., l.c.l., same basis.....lb. .20½- —

The above types are sold in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and nonreturnable.

A-75, B-75, B-100, C-75, C-100, C-125, D-75, D-100, D-125, D-150, E-75, E-100, E-125 types, c.l., Clairton, Pa..lb. .20 - —
l.c.l., same basis.....lb. .20½- —

The above types are sold on a net weight basis, in light gauge steel drums weighing approximately 15 lbs. each, drums included.

FT, FX, FHF types, c.l., Clairton, Pa..lb. .12½- —
l.c.l., same basis.....lb. .13 - —

The above types are in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

PICCOLYTE resins, S-10, S-25, S-40, dms., net wt., f.o.b. Clairton, Pa., c.l..lb. .19 - —
l.c.l.....lb. .19½- —
S-55, S-70, same basis, c.l.....lb. .20 - —
l.c.l.....lb. .20½- —
S-85, S-100, same basis, c.l.....lb. .21½- —
l.c.l.....lb. .21½- —
S-115, same basis, c.l.....lb. .20 - —
l.c.l.....lb. .20½- —
PICCOUMARON resins, 450-H, 450-L, 450-HL, dms., net wt., solid, f.o.b. Clairton or Chester, Pa., frt. equald.....lb. .10½- —
450, 450-E, 450-S, same basis....lb. .10½- —
450-ES, same basis.....lb. .10½- —
450, same basis.....lb. .10½- —
Other 450 series, dms., net wt., plastic, f.o.b. works, frt. equald. lb. .11 - —
C.G. (deodorized), dms., net wt., solid, f.o.b. works, frt. equald..lb. .12½- —
440-S, same basis.....lb. .08½- —
430-H, dms., gross wt., solid, f.o.b. works, frt. equald..lb. .06 - —
other 430 series, dms., net. wt., solid, f.o.b. works, frt. equald. lb. .05½- —
420-H, same basis.....lb. .09½- —
420-S, 420-E, 420-ES, same basis.. lb. .09½- —
422-R, 423-R, 425-R, 427-R, same basis..lb. .11 - —
Other 420 series, dms., net wt., plastic, f.o.b. works, frt. equald..lb. .09½- —
Picco-10, same basis.....lb. .11 - —
Picco-25, same basis.....lb. .11 - —
Picco-75, Picco-100, dms., net wt., solid, f.o.b. works, frt. equald..lb. .10½- —
Bunarex-10, dms., net wt., plastic, f.o.b. works, frt. equald..lb. .06½- —
Bunarex-25, XX-25, same basis..lb. .06½- —
XX-40, same basis.....lb. .06½- —
XX-55, dms., gross wt., solid, f.o.b. works, frt. equald..lb. .06 - —
XX-70, same basis.....lb. .05½- —
Bunarex-100, XX-100, same basis.. lb. .05½- —
XX-115, same basis.....lb. .06 - —
480 series, same basis.....lb. .15 - —
60%, 420-ES sol., non-ret. dms., c.l. lb. .08 - —
l.c.l., same basis.....lb. .08½- —

Flaked grades, when available, are ½c. per pound higher than net wt. solid, ¾c. higher than gross wt. solid. Prices for other than full-dm. shipments add 5c. per pound.

PLIOLITE, S-5, milled resin, dms., f.o.b. Akron, ton..lb. .59 - —
Base, 1A-S-5, titanium dioxide....lb. .45 - —
2B-S5, carbon black, same basis.lb. .50 - —
5-S5, zinc oxide, same basis.....lb. .34 - —
6-S5, red lead, same basis.....lb. .36 - —
7C-S5, Indian red, same basis..lb. .49 - —
8-S5, zinc chromate, same basis.lb. .51 - —
13-S5, China clay, same basis....lb. .33 - —
14-S5, lithopone, same basis.....lb. .31 - —
17-S5, Prussian blue, same basis.lb. .65 - —
19-S5, steatite talc, same basis..lb. .45 - —
38-S5, yellow iron oxide, same basis. lb. .45 - —
35-S5, toluidin toner, medium, same basis..lb. .95 - —
39C-S-5, C.P., chrome green, medium, same basis..lb. .59 - —
41A-S-5, C. P., chrome yellow, medium, same basis..lb. .46 - —
46B-S5, lampblack, same basis..lb. .53 - —
47-S5, high zinc lithopone, same basis..lb. .34 - —
64-S5, molybdate orange, dark, same basis..lb. .64 - —
66-S5, C.P., chrome yellow, extra light, same basis..lb. .51 - —
66-S-5, phthalocyanine .....lb. .98 - —
80-S-5, non-yellowing titanium dioxide..lb. .46 - —

These prices apply to all orders for resin and bases in excess of 2,000 lbs. The order may consist of several items. For quantities of 200 to 1,999 lbs. add 1c. per pound to the above prices. For quantities of less than 200 lbs. add 6c. per pound to the above prices.

Polyamide, ED, Nos. 90, 94, and 95, f.o.b. works, l.c.l. quantities..lb. .55 - —
Polyethylene resins, f.o.b. Bound Brook, N.J.
DYNF, granular, bags, f.o.b. South Charleston, W. Va..lb. .44 - —
DYNH, granular, same basis.....lb. .44 - —
DYNJ, granular, same basis.....lb. .47 - —
POLYPALE ester, No. 1, non-ret. dms., c.l., divd. zone 1..lb. .16 - —
l.c.l., same basis.....lb. .16½- —
No. 2, c.l. same basis.....lb. .18¾- —
l.c.l., same basis.....lb. .19¼- —
No. 10, non-ret. dms., c.l., divd....lb. .16½- —
l.c.l., same basis.....lb. .17 - —

R

RESIMENE 875, non-ret. dms., c.l., f.o.b. Springfield, Mass..lb. .37½- —
non-ret. dms., l.c.l., same basis..lb. .37½- —
5-gal. containers, same basis....lb. .39¾- —
881-AI, non-ret. dms., c.l., same basis lb. .44 - —
non-ret. dms., l.c.l., same basis..lb. .44½- —
5-gal. containers, same basis.....lb. .46½- —

Freight charges allowed on shipments of 200 lbs. or more, net weight, via route of shipper's choice up to but not exceeding l.c.l. rate to and including St. Louis, Mo. Shipments of less than 200 lbs., price is f.o.b. Springfield, Mass.

REZYL 92-5, dms., c.l., frt. alld....lb. .31 - —
l.c.l.....lb. .31½- —
99-4-60, c.l., same basis.....lb. .25 - —
l.c.l.....lb. .25½- —
830-5, c.l., same basis.....lb. .23½- —
l.c.l.....lb. .23¾- —
887-5, c.l., same basis.....lb. .23 - —
l.c.l.....lb. .23½- —
REZYL, 412-1, c.l., same basis....lb. .20 - —
l.c.l.....lb. .20½- —
435-1, c.l., same basis.....lb. .21¼- —
l.c.l.....lb. .21¾- —
728-5, c.l., same basis.....lb. .25½- —
l.c.l.....lb. .26 - —
729-5, c.l., same basis.....lb. .23½- —
l.c.l.....lb. .24 - —
731-5, c.l., same basis.....lb. .25½- —
l.c.l.....lb. .26 - —
775-1, c.l., same basis.....lb. .22 - —
l.c.l.....lb. .22½- —
784-1, c.l., same basis.....lb. .24 - —
l.c.l.....lb. .24½- —
807-1, c.l., same basis.....lb. .22 - —
l.c.l.....lb. .22½- —
811-1, c.l., same basis.....lb. .23 - —
l.c.l.....lb. .23½- —
823-1, c.l., same basis.....lb. .21½- —
l.c.l.....lb. .22 - —
869-1, c.l., same basis.....lb. .34½- —
l.c.l.....lb. .35 - —
872-1, c.l., same basis.....lb. .26½- —
l.c.l.....lb. .27 - —
873-1, c.l., same basis.....lb. .25½- —
l.c.l.....lb. .25¾- —
880-1, c.l., same basis.....lb. .24½- —
l.c.l.....lb. .25 - —
1102-5, c.l., same basis.....lb. .22½- —
l.c.l.....lb. .23 - —
solid, 99, c.l., same basis.....lb. .46½- —
l.c.l.....lb. .47 - —
X-315, c.l., same basis.....lb. .45½- —
l.c.l.....lb. .45¾- —
869, c.l., same basis.....lb. .52 - —
l.c.l., same basis.....lb. .52½- —

Nevinol—Staybelite, No. 101

S

SANTOLITE MHP, HLA, 60-lb. tins, incl., 100,000-lb. lots, f.o.b. St. Louis..lb. .35 - —
25,000-lb. lots, same basis.....lb. .36 - —
5,000-lb. lots, same basis.....lb. .37 - —
1,000-lb. lots and less, same basis. lb. .38 - 40
K-5-H, 500-lb. dms., incl., 25,000-lb. lots, same basis..lb. .35 - —
10,000-lb. lots, same basis.....lb. .38 - —
1,000-lb. lots and less, same basis. lb. .41 - 46
MS 80% solution, 540-lb. dms., incl., 25,000-lb. lots, same basis..lb. .35 - —
5,000-lb. lots, same basis.....lb. .36 - —
1,000-lb. lots and less, same basis. lb. .36½- .41½
SARAN F-120 resin, c.l., works.....lb. .52 - —
l.c.l., same basis.....lb. .54 - —
F-122 latex, approx. 56% solids contained, wood, bbls. (55 gals.), c.l., works..lb. .40 - —
l.c.l., same basis.....lb. .44 - —
10-gal. bbls., same basis.....lb. .50 - —
SILENE (see Calcium silicate hydrated under C in Current Market Quotations).
STAYBELITE ester, No. 5, non-ret. dms., c.l., f.o.b. customer's siding, zone 1..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
No. 10, c.l., same basis.....lb. .19½- —
l.c.l., same basis.....lb. .20 - —
No. 101, c.l., same basis.....lb. .20½- —
l.c.l., same basis.....lb. .21 - —

—Continued on page 72

Discretion is the better part of Value

Value for *you*. Value for *your customer*.

Because — prudence . . . sagacity . . . judgment . . . skill—in short, *discretion*—goes into every item of U.S.I.'s complete line of natural and synthetic resins.

It helps you put out top quality coatings at prices that are right. And in today's increasingly competitive market — *that means sales for you!*

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SYNTHETIC RESINS

ESTER GUMS	*all types*
CONGO GUMS	*fused and esterified*
*AROPLAZ	*alkyd and allied materials*
*AROFENE	*pure phenolics*
*AROCHEM	*modified types*

NATURAL RESINS

PALE EAST INDIA	MANILA (Alcohol-Soluble)
BATU	ELEMI
BLACK EAST INDIA	RED GUM
PONTIANAK	CONGO—RAW
LOBA	KAURI

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Tariff Bargain Opportunities

Even though Congress should decree the death of the trade agreement act of 1934 at the expiration of its specified term next Summer, the tariff bargains soon to become effective under the general agreement for the loosening of international trade will not then be ended. The new agreement runs for three years. There are no indications that its life will be shortened with respect to any substantial part of its scope.

The life expectancy of the new tariff bargains should not be accepted as ample justification of long-term commitments in import trading. Individual bargains can be terminated. The general agreement contains an escape clause, largely at the insistence of American business. Executive or legislative action can restore the statutorily fixed rate on any commodity with respect to which convincing evidence of the injuring of domestic industry is adduced. Congress, moreover, is not prohibited from imposing special rates of duty on specific commodities. And changes in the relation of supply and demand will exert a potent influence.

Nobody can say what manner or weight of evidence would carry conviction in an allegation of industrial damage or jeopardy. The political complexion of the Federal government, public sentiment, and the domestic economic condition—all will contribute an influence in that regard. Such allegations are to be expected. In some instances, they will have a firm foundation. Those who see new and shining opportunities in the imminent tariff bargains will be wise to see that their commitments are properly equipped with escape clauses. American industry is not going to be a willing sacrifice for any manner of world salvation.

Economic Planning Needed

It is highly desirable that American business engage seriously in a comprehensive economic planning. Such an undertaking probably will be imperatively necessary within a comparatively short time. Under the stress which will then prevail, it is more than probable that a governmentally imposed planned economy will be inevitable. Business can do its own planning now. Today is not too soon to start doing so.

One of the nation's largest and most progressive business concerns—one that has more than a little part in the operations of the chemical industry—has set about some economic planning of its own. It has started a survey of the potentialities and the processes of its mobilization for the demands of war. The survey will comprise the productive capacities of the company's various units, and, more noteworthy, it will go into the many ramifications of raw materials essential to the optimum utilization of its productive capacity, probing particularly into the demands which its needs will make upon other industries. That, of course, is the framework of economic planning. It is, unfortunately, a matter which customarily gets all too little attention, a condition which it shares with the very important problem of how the available supply of a given raw material is best to be allocated among the various industrial lines in which it is used.

No erudite economic analysis is needed to establish the fact that certain important raw materials are not now being best allocated among the industries or the subdivisions of industrial groups to the operations of which they essentially and importantly contribute. Competition for raw materials is like that for the consumer's dollar: it produces a constantly fluctuating state of unbalance. Of course, free competition, intraindustrial and, more certainly, interindustrial, cannot be creative of economic balance. As in any other race, not all competitors can finish in a tie.

It is good for economic welfare and particularly for economic stability that the operations of business as a whole be prevented from getting into disastrously unstable equilibrium. That prevention requires that the interdependence of all industries and the essentialness of each, however small its area, to the maintenance of the whole be duly regarded in all planning. Economic functioning among a free people is teamwork. Teamwork must have a plan. The requirements of peace today are far more important and essential to human welfare with reference to a stable, profitable commercial economy than ever were or can be any demands of war. Because they also have many of the latter's implications with reference to political economy, they must have at least as much capable planning, in order that they may successfully be met.

Crop-Cornering Proposed

In its latest step in the direction of allocation or rationing of essential materials at the source, the Federal government will be kindly regarded by all run-of-mine consumers. This step is a request for emergency power to buy up the entire production of a grain or other agricultural material when its crop conditions indicate that the supply may be inadequate.

The proposed governmental cornering of a crop would be effectuated at a fixed price, the manner of its fixing not yet having been set forth. In distinction from the usual run of cornerings, the governmental venture would be designed to keep prices down. It would be applied also to the rationing of the grain, or whatever, among the several consuming industries according to a scale which, also, has not yet been defined.

Obviously, the crop-cornering scheme is price-protection, as well as rationing. As such, it has been condemned by the administration's opposition as "regimented and planned economy." Other Republican members of the senate are suggesting that it be put into effect at once: they do not say, nor do its proposers, that such action could even be expected to bring out or dig up the allegedly enormous farm hoardings of grains.

As the farmer doubtless would get a pretty good "support price" for his commandeered corn, or whatever, and as organized labor can be expected to support anything that hampers nest-feathering—something quite different, ideologically, from feather-bedding—authorized crop-cornering is within the realms of probability. How it would be received in some quarters would depend on whether the government sold a grain at a fixed price or on open bids. The profits it is said to make in its auctioning of blackstrap molasses are not universally admired.

Washington Talks It Over

—*Continued from page 5*

lished in the *Register*. Quite often, however, they are of such minor importance that they never get that far, and industry is the loser, because it seldom ever learns about them in good season.

Insecticide-Charged Animals

The Department of Agriculture is experimenting with the theory that animals can be so loaded down with certain chemicals that they can become walking insecticides. Scientists have already found out that they can kill typhus-carrying lice and yellow fever-carrying mosquitoes this way, and they are broadening their experiments.

The scientists are using the rabbit as the "guinea-pig" because it is one of the few animals which the human body-louse attacks. They found that, feeding the rabbit light doses of insecticidally effective chemicals, the blood becomes so poisonous that the attacking insects are killed. In some cases the blood remains poisonous to the insects for nearly two months without harm to the rabbit.

Thirty chemicals were used against the louse and thirty-one against the Aedes mosquito, the yellow fever carrier. These included DDT, pyrethrum, rotenone, phenothiazin, and sabadilla seed—all well known insecticides—none of which proved highly effective, however. The best results against the mosquito were obtained from benzene hexachloride, although chlordane and chlorinated camphene also were found somewhat effective.

Another group of related insecticides were the "indandiones," and of these the one identified chemically as 2-pivalyl-1,3-indandione was by far the most effective against the louse. It registered a 100-percent kill when present in the blood in a dose equivalent to five-millionths of the weight of the rabbit, a dose which on visual examination did not seem to harm the rabbit at all.

Iron Tonics in Doubt

The probability that the Food and Drug Administration will tighten up its labeling requirements for iron tonics is something that the drug manufacturers may watch for in the future. It is the opinion of the agency that some of the iron tonics now on the market aren't what they claim to be, and maybe something will be done about it.

The vague hint of possible future action was contained in a recent letter to the American Drug Manufacturers Association from George P. Larrick, assistant commissioner of FDA. Among other things, ADMA wanted to know the minimum daily adult dose of iron in a preparation labeled as an iron tonic and that in a preparation bearing hematinic claims.

Mr. Larrick replied that the view of his agency is that the dose of iron required to justify an iron-tonic claim is the same as that required to justify a hematinic claim. In other words for a manufacturer to make any claim for the iron content of his preparation he would have to have enough iron in it to justify a hematinic claim.

Under this interpretation it is doubtful that even the NF elixir of iron, quinine, and strychnine can qualify as an iron tonic.

Insecticide Applicators Studied

In recent years several new and better insecticides and fungicides have been developed through research. This, in turn, has intensified the need for improved equipment and suitable formulations for applying these materials. In an effort to meet this need, the Department of Agriculture has just placed the development of improved equipment on its research calendar for 1948.

Approximately 500,000,000 pounds of insecticides and fungicides are now used annually for agricultural and other purposes. Radically different types of equipment are required to apply them, depending on the kind of insect or disease to be combated and the crops, livestock, buildings, and numerous other factors that might be involved. There is an urgent need, department specialists say, for attachments better suited for use on fixed-wing airplanes and helicopters, and for ground equipment to facilitate more rapid and effective coverage.

Plans are to initiate these studies in northwestern Oregon, where emphasis will be on the development of airplane equipment and satisfactory insecticide formulations to control insects on peas.

Japanese Trading Eased

General MacArthur has opened the door a little wider to the resumption of trade relations with Japan on a normal basis. Foreign traders may now employ Japanese or foreign nationals resident in Japan as agents subject to license by the Japanese Board of Trade and approval by the Supreme Commander on a case-by-case basis.

Payment to licensed agents may be made in one of two ways:—(1) On a commission basis, the commission may be added to the invoice rendered by the trade board in currency of the invoice and applied against the buyer's letter of credit; payment to the agent will be rendered in yen; (2) the payment agreed upon between the foreign trader and the agent will be remited to the trade board in dollars or acceptable foreign exchange through commercial banking facilities; such payments will indicate they are made on account of the agents services.

Non-U.S. firms are entitled to similar privileges, provided payments are made in acceptable currencies. The foreign currencies available to SCAP from such transactions will be used to purchase critical items needed by the Japanese economy, thus lessening the cost of the occupation to the American taxpayer.

Increasing Food Output

One little paragraph in President Truman's message at the opening of the special session resulted in more speculation as to its real intent than anything else in the address. It was the President's recommendation that the Department of Agriculture be given authority to expand its conservation program and institute measures designed to increase the production of foods in foreign countries. Its meaning is just now coming to light.

What the President wants Congress to do is to permit the Commodity Credit Corporation to carry on in peacetime the activities that it pursued during the war of buying up the surpluses in foreign countries and seeing to it that these products are made available in the areas where needed. In other words, it is proposed to guarantee a market for the surpluses of those countries which are able to produce. In this way they will be encouraged to expand acreages so that the starving might be fed.

The agricultural planners have it all figured out and are ready to start when Congress gives the word. But there lies the $64 question. It isn't too certain that Congress will okay the scheme. Congress will want to look into the dollar liability involved from the viewpoint of the taxpayers' purse very closely before it gives the green light.

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Heavy Chemicals

Activity was somewhat spotty in industrial chemicals last week and the market appeared to be affected by holiday influences. There was no easement in the demand for caustic soda shipments and it was apparent that supplies will close the year in an exceedingly tight condition. Soda ash was not as tight as caustic soda, but production was considerably below industrial requirements. Chlorine remained tight, but to a more irregular degree than the basic alkalies. Demand for calcium chloride has shown a seasonal increase for ice control with producers in no position to meet this inquiry in full. Sodium bicarbonate remained in the most favorable position of the affiliated basic sodas although boxcar shortages have interrupted the regular flow of material from works. There has been spotty improvement in the general boxcar supply situation although conditions are far from normal.

Caustic potash liquid in tankcars was the only grade of this chemical available for immediate shipment. Potassium carbonate was short of demand and potassium chlorate was tighter with December output heavily under contract. The basic material, potassium muriate, has moved more freely from mines as a result of an increase in boxcars. It is stated that it will take at least two months to reduce the overpacked condition of producers' warehouses to normal if the boxcar allocations hold their improvement. No saltcake prices for 1948 have been announced to date. The market is definitely short of stocks with prices showing a wide differential upward. The same condition exists in niter cake. Sodium chlorate was in active demand with buyers experiencing difficulty in booking nearby shipments. Sodium fluoride stocks were not free and about in balance with domestic requirements. Carbon tetrachloride supplies remained short with producers not in a favorable position to consider much new business. Copper sulphate shipments to the West have continued and it will probably be well into next year before these requirements are leveled off. Meanwhile, the stockpile is going considerably below the seasonal average. The recent announcement of lower refined nickel prices for next year is not expected to result in lower nickel based chemicals, according to some of the major producers.

Paper production based on a percentage of six-day capacity was 111.0 percent for the week ending November 22, according to the American Pulp and Paper Association. This compares with 109.1 in the preceding week and 106.6 for the corresponding week in 1946.

Production figures appearing below, unless otherwisee designated are from the Bureau of the Census, Department of Commerce and the Chemical Division of the Tariff Commission.

Acetic Anhydride—September production was placed at 48,622,319 pounds, compared with 52,518,032 pounds in the preceding month. This material was made from ketone, acetylene, ethylene and from acetic acid by the vapor process. Exports from January 1 through August amounted to 967,000 pounds, compared with 1,609,000 pounds for the corresponding period in 1946.

Arsenic—According to the Department of Commerce, importations of white arsenic in August amounted to 1,526,000 pounds, 23 percent below the preceding month and 42 percent less than in August, 1946. Included in the total was 110,000 pounds from France, the first receipts from that country since the war. The current market position is exceedingly tight with no indication of nearby easement in sight.

Carbon Disulphide—Production for September slightly higher than the preceding month. The total for September was 29,543,418 pounds, compared with 29,501,472 pounds in August.

Carbon Tetrachloride — Shortage of basic material has kept production down. Shipments are somewhat delayed to contract consumers and suppliers are not eager for new business where prompt shipments are concerned. Output in September amounted to 15,169,445 pounds, against 17,630,932 pounds in August. Exports from January 1 through August amounted to 4,493,000 pounds, compared with 2,721,000 pounds for the same time a year ago.

Copper Sulphate — Buying interest for agricultural use has made its appearance early this year. Producers state contracts have been entered at current prices for eastern shipment over 1948 and inquiry is increasing. Meanwhile, a steady movement is in progress to California where a large producing plant at Martinez was completely destroyed recently by fire. According to reports arrangements have been made to rebuild this plant but the time of completion is indefinite owing to the current stringency in equipment. Incidentally, the stockpile is going down and it looks as though no normal increase will materialize this season. Industrial demand is active and above normal. Sales to Florida are below normal and export trade is seriously hampered to European countries by unfavorable exchange rates. Unless the government takes a sizable quantity out of the market for export, major producers feel they can meet the coming agricultural demand without difficulty.

Defluorinated Phosphate Rock—Constant purchases of this material during the month of November have substantially reduced available stocks and the market's position has gradually tightened. Demand emanated from the livestock trade where this material has been found a suitable substitute for bone meal for feeding purposes. Prices have remained firm at former selling levels.

Glauber's Salt — Supply situation has shown some improvement during the past month although the market has remained tight. Production in September amounted to 15,405 tons, compared with 13,813 tons in the preceding month and 13,455 tons in September 1946.

Manganese Chloride—Steady under a satisfactory inquiry for various catalystic requirements. The dyestuff, paint and waterproofing industries have been included in the current buying movement. Stocks have been maintained at a level to permit prompt shipments.

Nickel Carbonate—Commanding some interest from platers at former price levels but not unusually active. Stocks have continued available for prompt shipment with buyers content to purchase for actual wants.

Nickel Sulphate — Continues in relatively free supply with platers inclined to pudchase for actual wants. It is stated that the announcement of lower prices for refined nickel on January 1 is not likely to affect the market for sulphate as this is not the kind of nickel essential for the manufacture of nickel based chemicals. In some selling quarters there was reluctance in expressing views on price prospects, the disposition being to await developments.

Potash Caustic—Market condition firm and tight for all dry forms and for liquid in drums. The latter grade in tankers has continued available for prompt shipment in some supply quarters.

Potassium Carbonate — Stocks remained short over the turn of the month with demand active and far enough ahead of current production to sustain a tight market position. From present indications the market will remain tight throughout the month of December.

Potassium Chlorate—Available stocks for nearby shipment have continued to tighten and some of the largest suppliers have production sold through December. Heavy purchases by the match factories have accounted for most of the market's activity, although a steady demand has developed for pyrotechnical use.

Potassium Fluoride—Stocks equal to current requirements but market not in free supply. Prompt shipments are priced at 24c. per pound in drums f.o.b. the works.

Salt Cake—September production of crude commercial amounted to 50,390 tons, compared with 52,129 tons in August and 43,891 tons in September 1946. Stocks short with prices ranging from $20.00 to $30.00 per ton bulk, works, according to location. Imports in August amounted to 2,248 long tons, mostly from Canada.

Soda Ash—No appreciable improvement can be noted in supply conditions as the market enters the last month of the year. Output is insufficient to meet requirements and producers are allocating stocks to regular contract consumers. While distribution of ash during the last quarter has been

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
202.3	202.3	202.3	183.2

Acids

Last week.	Prev. week.	Last month.	Last year.
119.5	119.5	119.5	116.3

(For Current Prices see Page 9)

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somewhat better than noted earlier in the year, the constant delay in shipments of equipment for additional production has made the expansion narrow and at present it appears indefinite as to when any permanent increase may be expected. Meanwhile, producers are not inclined to consider additional business until the market shows a better degree of balance.

Soda, Caustic—Industrial demand has lost none of its urgency for shipments of this chemical. Like soda ash, producers have been forced to allocate shipments to contract consumers in order to keep distribution equalized. Demand exceeds supply by a considerable margin and the market situation is definitely tight for both the dry and liquid forms with no indication of easement in sight. The maintenance of heavy consumption has kept the amount of stock reaching the resale market limited and second hand prices are commanding exceedingly high premiums over contract figures.

According to foreign advices, the production of caustic soda in Italy during July was 9,257 metric tons, compared with a monthly average of 8,770 tons in the latter part of 1946. Italian chemical production is said to be developing at a fairly satisfactory rate.

Sodium Bisulphite — Regular consumers have placed considerable contract business on the basis of $3.50 per 100 pounds for powdered anhydrous at the works. Smaller quantities command $4.00 per 100 pounds and upward depending upon size of order.

Sodium Chlorate — Buying interest has been sustained at an unusually high level and production has been heavily sold through December. Purchases for weed-killer have predominated but there has also been a wide demand for various industrial uses.

Sodium Fluoride—Firm at former price levels with domestic consumption about flush with demand. A sizable amount of this material has been purchased for insect extermination although this chemical is essential to a number of miscellaneous industries. Transportation shortage has caused a slight delay in shipments. Very little stock is available for export at the present time.

Sodium Phosphate—Output of monobasic in September amounted to 1,189 tons, against 1,153 tons in the preceding month and 1,057 tons in September 1946. Production of meta was 2,948 tons in September, compared with 2,692 tons in August and 2,353 tons in September last year. Output of tetra registered 5,092 tons in September, against 5,154 tons in August and 4,398 tons in September 1946.

Sodium Silicate — September production was placed at 34,667 tons including soluble silicate glass, liquid and solid anhydrous. The August total was 33,963 tons and in September last year output registered 34,714 tons.

Zinc Sulphate — Shipments of satisfactory dimensions are being made to the major consuming industries. Considerable buying of late has reached the market for agricultural use. Demand from the rayon mills and glue factories is described as steady. Production has kept stocks liberal in the monohydrate grades but output of crystals has not been entirely flush with requirements. Prices are quoted firm at former selling levels.

Acids

Acetic — Production of synthetic in September amounted to 26,477,947 pounds, against 32,845,382 pounds in August. The September total was the lowest recorded for any of the nine months in 1947 and compares with a high of 33,193,626 pounds registered in July. The amount of acid received in September was 120,431,594 pounds, against 116,837,649 pounds in the preceding month. Production of natural acid was 2,163,722 pounds. This material was produced by direct process from wood and from acetic acid distilled from acetate of lime. August production of natural was revised to 2,519,285 pounds. Exports in the month of August amounted to 1,495,000 pounds, compared with 610,000 pounds for the same month last year. Exports for eight months ending August 31 was 7,285,000 pounds against 4,478,000 pounds for the corresponding period in 1946.

Chromic — Buying conditions have continued tight in this acid throughout the past month with demand active for plating requirements. Shortage of bichromate of soda has kept production down and this can be traced back to the stringency prevailing in soda ash. It is stated that considerable ex-

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port business could be placed if stocks were made available.

Naphthenic—Market conditions did not change appreciably during the month of November. Stocks are not in free supply but are meeting the essential requirements of regular consumers without unusual difficulty. Prices are quoted firm at former selling levels.

Oxalic—No significant progress was made in leveling off contract schedules in November and producers have made an effort to keep from falling further behind. Pressure for contract shipments has increased and the market situation is exceedingly tight.

Sulphuric—Shortage of tankcars has kept the market relatively tight in this section during the past month. There has also been some difficulty in securing enough glass carboys although regular consumers who use acid in these containers appeared to receive material with a fair degree of regularity. Latest production figures show that output has been sustained at a satisfactory level. Industrial demand has continued heavy with more of an inclination to increase than relax.

Non-Ferrous Metals

Copper—Buying interest has continued active for December shipments of electrolytic and it is possible that consumers may experience difficulty in covering requirements in full. Production was cutback by a recent strike at a major producing plant in the West and prospective stocks have been brought to an appreciably lower level. Some export business has been booked on the basis of 21½c. per pound f.a.s. New York.

Lead Scrap—Smelters' receipts of lead-base scrap and residues totaled 41,923 tons in August, compared with 45,987 tons in July. Lower intake of most all of the scrap items contributed to the decrease, states the Bureau of Mines. Battery-lead plate receipts declined from 28,274 tons in July to 26,663 tons in August, soft and hard lead showed nominal decreases, and cable lead receipts dropped from 1,635 tons to 1,018 tons. Use of all lead-base scrap in August amounted to 45,777 tons, 3,760 tons less than was treated in July. Treatment of battery plates alone dropped from 31,517 tons in July to 26,327 tons in August. Since more tonnage was consumed than taken in, approximately 3,800 tons were withdrawn from inventory and smelters' stocks on hand at the end of the month were reduced to 78,167 tons. Stocks of all classifications of scrap and residues, with the exception of battery plates and soft lead, decreased during the month.

Reconstruction Finance Corporation has announced that its subsidiary, the U. S. Commercial Company, will sell approximately 714 short tons of lead scrap which it has received from Japan. The material will be sold in twenty-one lots on a sealed bid basis, for delivery f.o.b. cars at seller's warehouse, Staten Island, New York. The lead scrap is being sold by U. S. Commercial Company in accordance with arrangements for the handling of Japanese imports entered into between the U. S. Commercial Company, the War Department, the Department of State and the Supreme Commander for the Allied Powers. Terms and conditions of sale will be mailed to all persons who make request therefor on or before December 8, 1947, to U. S. Commercial Company, Washington 25, D. C.

Nickel—One of the major producers of nickel has announced a reduction of 1¼c. per pound in the price of refined nickel in the United States. The reduction becomes effective January 1, 1948, simultaneously with a reduction in the United States import duty on refined nickel provided for in the recently signed reciprocal trade agreement between the United States and Canada. The new contract price for 99.9 finest electrolytic nickel from refinery in Ontario will be 33¾c. per pound. Prices of nickel outside the United States will remain unchanged.

Quicksilver—The spot market eased once more and quotations became $79 to $80 per flask at midweek. During the period, producers of mercurials reduced their schedule of prices substantially. The market for metal continued sluggish locally and a fairly competitive situation prevailed.

San Francisco, November 27.—Metal was moving slowly here, with prices steady. The market was fairly quiet, metal being quoted between $78 and $79 per flask, f.o.b. this city.

Silver—No unusual developments were uncovered in this market last week. There was an absence of broad fluctuations with interest modified by holiday influences. The official closing price for silver bullion in New York was 74⅝c. per ounce.

Silver Bullion Price Range

	Per ounce	
	New York	London
High	Mar. 6—80¼c.	Jan. 2—35⅝d.
Low	June 20—59⅜c.	June 20—38d.

Tin—Advices from Singapore (Aneta) point out that the recovery of the Malaya Union is slow compared with the Netherlands Indies where the Dutch in spite of the disturbing political situation are doing everything possible to rehabilitate the reoccupied territories. In order to improve their dollar position the Dutch are producing as much tin as possible for export to the United States. While the Malaya tin industry is suffering from labor shortage, high production costs and lack of capital for new machineries, the Banka and Billiton output goes up steadily, and the Dutch utilize dozens of dredgers on these two islands, and export thousands of tons of tin.

Zinc—Regardless of an almost steady monthly decline in the use of slab zinc in the first six months, the total consumed during the first half of 1947 was 17 percent higher than for the same period in 1946. Of this total galvanizers used 42 percent, manufacturers of zinc-base alloys 28 percent and brass and copper producers consumed 17 percent, compared with 40, 26 and 17 percent for the first six months in 1946, according to the Bureau of Mines. Total smelter production in June amounted to 71,883 tons, against 75,232 tons in the preceding month. Stocks on June 30 in smelters' hands were 174,789 tons, compared with 167,317 tons on May 31. Stocks at consumers' plants on June 30 were 94,429 tons, against 93,256 tons at the close of May.

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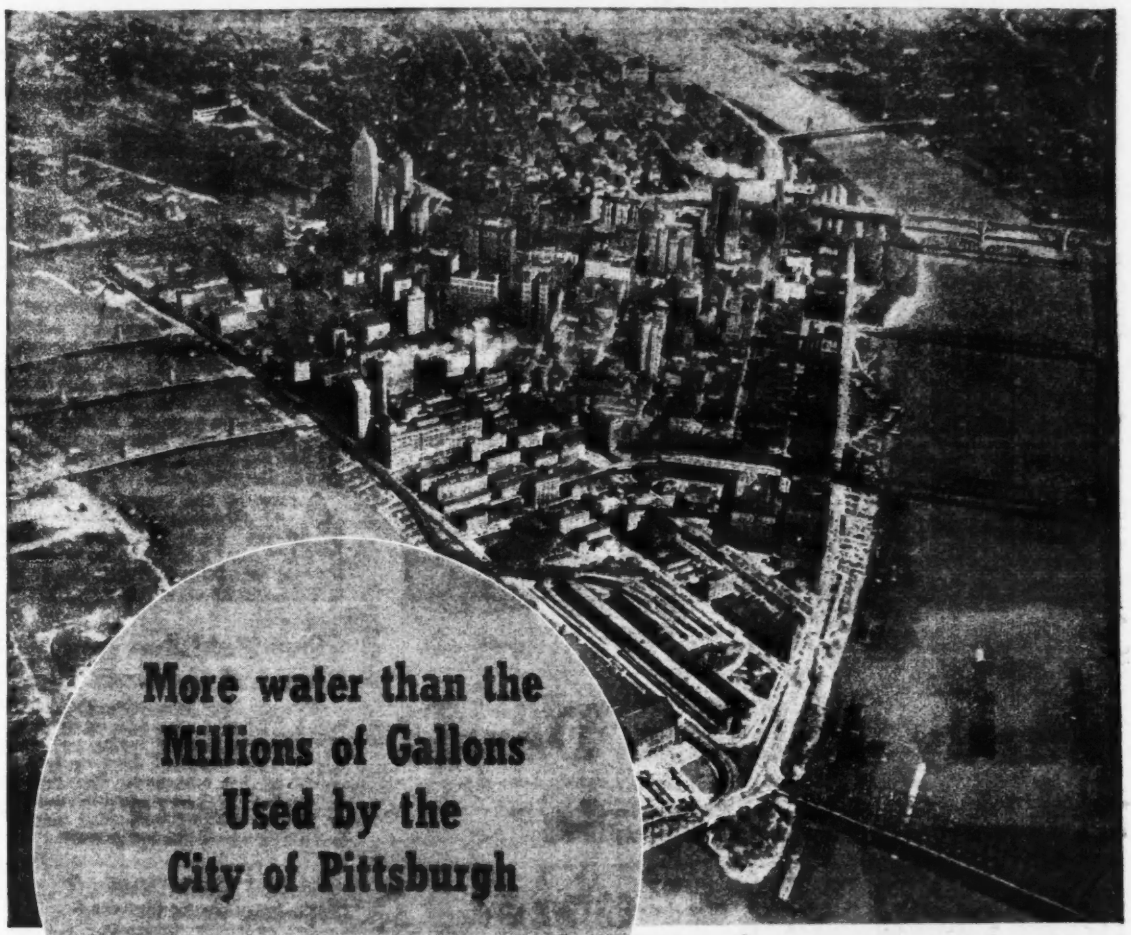
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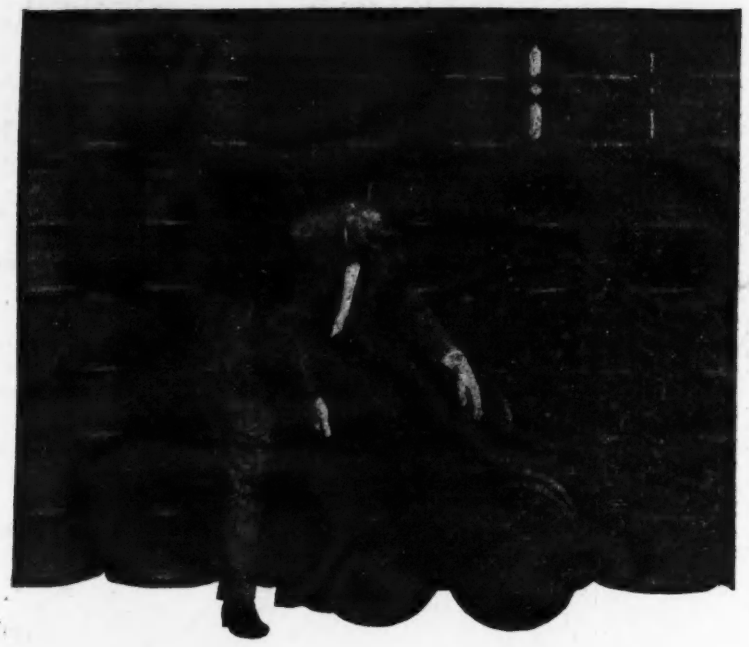

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Gas Cylinders Offered On Bids by WAA

About 100,000 surplus special purpose gas cylinders, in sixty sizes, are offered in a series of competitive bid sales now being conducted by War Assets Administration regional offices. In addition to their adaptability to many uses "as is," the cylinders offer a wide range of conversion possibilities, WAA said. They may be converted for use as pressure tanks for paint or insecticide sprayers, tire inflators, portable fuel tanks, chemical dispensers, and dispensers of charged water or whipping cream.

Catalogues giving quantities, descriptions and other pertinent information including instructions for bidding, are available at all regional offices holding inventories and at all WAA customer service centers.

Japanese Tungsten Resources Surveyed

OPD Washington Bureau

A survey report on tungsten resources of Japan with a brief analysis of the production and exploitation methods used in eight major tungsten deposits is now on sale by the Office of Technical Service, Department of Commerce. The report was prepared by H. R. Klepper, scientific consultant with the army in Japan.

Mimeographed copies of the twenty-nine page report (PB-80747, "Tungsten Resources of Japan") sell for $1.25. Orders should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Lignite Research Reported By Bureau of Mines

OPD Washington Bureau

The Bureau of Mines has published a report of experimental work recently completed in a pilot plant at Grand Forks, North Dakota, shows that the more than 900,000,000,000 tons of lignite in three Western states is a potential source of fuel gas for industrial uses. The report presents details of the design, construction and operation of the pilot plant.

A copy of the report of investigations 4128, "Gasification of Lignite and Subbituminous Coal, Progress Report for 1945-46," can be obtained by writing to the Bureau of Mines, Publications Section, 4800 Forbes street, Pittsburgh, Pa.

Glyco Publishes New Chemical Products Manual

Glyco Products Company, Brooklyn, N. Y., has published a new edition of "Chemicals By Glyco," a manual listing and describing the organic chemical compounds manufactured by the company. The new edition contains several new products not included in former editions, and gives formulae for basic uses of all the compounds.

Chemical Trade Dividend Payments Up in October

OPD Washington Bureau

Publicly reported dividend payments by the chemicals industry in October totaled $24,600,000, compared with $19,900,000 in October, 1946. Payments for the three months ended October 31 were $92,000,000 this year, against $75,100,000 in the same period last year.

Reported dividend payments by the oil refining industry totaled $14,500,000 in October, compared with $13,400,000 in the same month last year. Payments for the three months ended October 31 were $82,000,000 this year, against $63,800,000 in 1946.

Magnesite Patents Return Intended by OAP

Property of Oesterreichische Magnesit A.G., vested under the alien property act, will be returned December 25, the Office of Alien Property having published November 25 its intention to make the return.

Included in the property involved are the concern's interest in United States patents No. 2,063,543; 2,148,054; 2,231,498; 2,316,228; 2,316,229; and 2,344,387. Also included are 1,886 shares of $100 preferred stock of the American Magnesium Metals Corporation.

Southern Alkali Advances Weeks

Southern Alkali Corporation, Corpus Christi, Texas, has appointed Charles E. Weeks assistant to its operating vice-president. Mr. Weeks, who has been associated with the firm since 1934, was its auditor prior to his present appointment.

Trade Briefs

Prof. Benjamin Harrow, chairman of the chemistry department of City College of New York and a research specialist in the field of biochemistry, has been elected to the Royal Society of Arts in England.

Belgian Congo produced 7,000,000 pounds of cobalt last year, making it the largest producer of that commodity in the world. Northern Rhodesia produced 1,427,000 pounds, French Morocco 600,000 and Canada 109,123 pounds.

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Binghamton ACS Elects Dr. Thompson Chairman

Dr. Thomas R. Thompson, of the "Ansco" division of the General Aniline & Film Corportation, Binghamton, N. Y., has been elected chairman of the Binghamton section of the American Chemical Society. He succeeds Dr. Benjamin R. Harriman, also of General Aniline.

F. W. H. Mueller was chosen chairman-elect, and Ralph A. Copeland Secretary-treasurer. Both are on the staff of General Aniline. August H. Brunner jr., of General Aniline, and John R. Corwin, of the Casein Company of America, were named to the society's national council.

Davies Nitrate Plans Plant in New Jersey

The Davies Nitrate Company, New York, has purchased a fifty-five acre plant site in Raritan Township, N. J., where construction will start immediately. The plant will be used for manufacturing, compounding and warehousing the company's industrial chemicals as well as for the products of its wholly owned subsidiary, Croton Chemical Corporation. Present plant facilities of Davies are located in Brooklyn, N. Y.

Chemicals Inc. Establishes Industrial Division

Chemicals, Inc., Oakland, Calif., has established an industrial division for the purpose of jobbing chemicals and raw materials in the San Francisco Bay area and Central California. The company was established in 1939 for the purpose of manufacturing hypochloride solutions and subsequently developed a household cleaner and a household liquid starch.

Linde to Build Plant

Linde Air Products Company, New York, has announced plans for the construction of a $200,000 plant for the production of oxygen and acetylene near Woodrow, Ark. The plant is expected to begin production in the spring of 1948.

Union Bag Buys N.J. Plant

Union Bag & Paper Corporation, New York, has purchased a one-story building in Hamilton Township, N. J., which it plans to use for the manufacture of corrugated containers and folding cartons.

Chemical Consultants

—Continued from page 7

Colleges don't compete in manufacturing, he said.

An idea on legislative limitations on governmental research was advanced by Reginald S. Dean, who argued that the facilities of governmental agencies and the results of their research and other work should be public property. The matter had the appearances of a jurisdictional dispute to Albert Parsons Sachs. Social service, not competitive status, should concern consultants, he declared. Universities should be aided in their endeavor to become better equipped as storehouses of knowledge. Integrated industrial research, he said, is largely tax-exempt by way of allowable deductions. Mentioning research programs of trade associations and labor unions, Mr. Sachs said that these shared with universities in allegedly favored competitive status. It was his belief that all consulting practice and research should be raised to higher planes and that all should understandingly collaborate toward that end.

Conflicting opinions on the efficiency and cost of governmental functionings were expressed by Mr. Sachs and John M. Weiss. The latter, strongly opposing governmental interference in scientific work, urged defeat of the congressional bill for a national scientific foundation. Economic reasons are influential in the selection of universities for research work, declared A. Kenneth Graham. He advised the contriving of a basis of understanding and division through negotiations with teaching institutions.

Some points in the consultation of the Navy Industrial Association with representatives of universities and of corporation laboratories were given by C. F. Carrier. The discussions were disappointing, he said, because of a general tendency to talk about what had been done instead of about what it was desired to do. He stressed the point that there are some 35,000 workers in research in the Navy Department. Experiences of the Army in connection with university research were related by L. S. Fletcher; so were some in connection with private practitioners. The latter, he said, had to have a specific job; universities were content to seek answers to problems without arriving at any particular result. His chief objection was that knowledge gained by universities through research was not widely disseminated.

Clyde A. Crowley said that anything which cost the government $1 to do could be done by private consultants for 50 cents. He favored going to Washington to get rid of governmental competition. Governmental research and university research are often justified, said Fred H. Wright, by the benefits derived therefrom by industries as a whole. There was argument over whether the information got out in time to help a consultant in his practice. Not even Mr. Wright was in favor of the doing of the general run of laboratory work by governmental agencies.

Z. G. Deutsch, who had supported industrial research grants to universities in the original discussion October 28, started a warm argument when he declared that his views apparently had found favor among many consultants. He spoke in favor of the promotion of all research wherever or however supported and done, leaving unfair competition to the laws on that sort of thing. Universities, he said, lack the skill and know-how which able consultants have, but all should cooperate for the furtherance of research and scientific service. He struck at secrecy in governmental scientific findings, joining with a number of others in demanding that it be eliminated. Sam Tour, M. F. Lauro, Carl Bussow, and others declared themselves in favor of fighting it out.

Quite equitably presenting an analysis of university and governmental research from the point of view of a testing laboratory, D. E. Douty made a distinction between such laboratory work and consulting practice and argued that teachers and students depreciate their educational status when they undertake outside research. He noted that some seventy-five universities are listed by the Engineering Council as desirous of research programs in the industrial field. He was earnest in his presentation of the status of the testing laboratory which, he declared, did not get proper recognition in commentaries on scientific service. As indicative of their standards he said that it required three years of special training to convert a technical graduate into a qualified tester.

Still more vigorously than in the October meeting, Abraham Taub defended the value of university research and the right of teaching institutions thus to improve the technical ability of their students. It was his opinion that industries turned to teaching institutions because private practitioners aren't doing an adequate job of offering their services.

A committee, consisting of Nicholas M. Molnar, Clyde A. Crowley, and Reginald S. Dean, was appointed for the purpose of investigating the feasibility of legislative correction of several faults of governmental research activities, especially with respect to denials or delays in the making of research findings and special equipment available to qualified consulting practitioners.

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Pyrethrum Industry In Japan Surveyed

OPD Washington Bureau

A survey of the Japanese pyrethrum industry from cultivation of the flowers to manufacture of the insecticide is contained in a report now on sale by the Office of Technical Services. It contains details on marketing, commercial and home uses and other economic data, as well as illustrations showing cultivation and a number of tables summarizing economic information.

Orders for the report (PB-80745, "Pyrethrum in Japan"; mimeographed, $1.25; twenty-nine pages, photos and tables) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

Uruguay Plans Marine Salts Processing Plant

A project to extract and process marine salts in Uruguay is reported to be making satisfactory progress, and it is hoped that a plant in the Department of Rocha will eventually produce sodium chloride and bromide, magnesium chloride and sulphate, and potassium chloride. A corporation has been capitilized at $525,000 and has received considerable technical and engineering assistance from the United States.

Davis Consultant Engineer For Egyptian Chemical Firm

Clarke F. Davis has been appointed engineering consultant in charge of construction for the Egyptian Fertilizer & Chemical Industries, Ltd., Cairo, Egypt. Mr. Davis was associated during World War II with the American Cyanamid Company in the erection of several chemical projects.

American Seal Company Names Kipfer President

American Seal Company, subsidiary of the Aluminum Company of America, has elected Max M. Kipfer president. Mr. Kipfer has been serving as the seal company's general manager.

Davis Joins Geismar

Leon H. Davis, formerly with the Southern Cotton Oil Company, and for several years a member of the board of directors of the National Fertilizer Association, has become associated with Geismar & Co., New York.

Trade Briefs

Bemis Bro. Bag Company, St. Louis, Mo., recently held a one-week training course for its salesmen designed to acquaint them with various aspects of the industry.

Dow Chemical Company has reported that research and technical experiments indicate that its "Saran Film 517" is adaptable for use as a cap liner material.

Irvington Varnish & Insulator Company has announced a line of flexible extruded plastic tubings, complete in all sizes up to three inches in diameter, for industrial and laboratory use.

Phosphate rock, pyrites and sulphur deposits in Spanish West Africa have been reserved to the Spanish government, in keeping with its policy of regulating the exploitation of mineral resources considered of special interest to the national economy.

West Disinfecting Company is offering 12,500 shares of $5 cumulative preferred stock and 75,000 shares of common stock through Coffin & Burr, Inc. The preferred is priced at $100 per share and the common at $14 per share.

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Agricultural Chemicals

Improvement in the boxcar situation late in November resulted in a better distribution of potash. Producers' warehouses are still packed but are not in the bulging state noted early in the month. Production of ammonium nitrate and sulphate is heavily under contract for months ahead. Sodium nitrate is finding a steady outlet with importations running fully up to schedule. There is more demand for cyanamide than can be produced. Superphosphate has continued tight in this area with some easement of supplies reported in the Southeast. Boxcar allocations have improved for the movement of phosphate rock from mines.

Resumption of demand for feeding purposes has resulted in the establishment of higher prices for dried blood, fishmeal and tankage. The sold ahead production of bone meal has restricted offerings and kept the market firm. Buying interest has not been accentuated in the insecticides. Farmers have taken on some copper sulphate for next year's use but in most other lines, trading has not exceeded seasonal dimensions. Experimental reports concerning benzene hexachloride have been satisfactory for various insecticide uses.

Reports of state control officials to the National Fertilizer Association indicate that fertilizer tax tag sales in 16 states during October amounted to 536,000 equivalent short tons. Although sales were 8 percent below the 584,000 tons reported for last October, they were higher than for any other October on record.

Sales in the 11 southern states, amounting to 415,000 tons of fertilizer were 21 percent below a year ago, but 10 percent above two years ago. Compared with last October, sales were lower for six states, with tonnage decreases ranging from 176 tons for Virginia to 49,000 tons for Georgia. The other five states reported increases, ranging from 2,000 tons for Arkansas to 18,000 for South Carolina. Sales in the 5 midwestern states, equivalent to 121,000 short tons, were 93 percent above the 63,000 tons reported for a year ago and more than twice as great as the amount reported for October 1945.

During September, production of superphosphate amounted to 809,000 equivalent short tons basis 18% a.p.a., according to NFA and a summary of reports submitted to the Bureau of the Census. Total production during September, which was 12 percent above the 721,000 tons reported for a year ago, was higher than for any month in 1945 or 1946. Shipments, totaling 484,000 tons, increased 11 percent over last September, and end of month stocks were 19 percent higher.

Nitrogenates

Ammonium Sulphate—Market position strong, with production heavily booked for prompt and future. Demand has continued ahead of output, leaving stocks short and somewhat shorter than noted at the beginning of November.

Dried Blood—Priced higher here and in the West under an increase in demand for feeding uses. At Chicago $10.00 was named and at New York $9.75 per unit of ammonia was quoted at the close of the week.

Fish Meal—Higher prices have been established for menhaden fish meal in the Baltimore area. Stocks are short and in strong hands. The 60 percent protein grade was held at $150.00 per ton and the 65 percent grade at $160.00 per ton. Absence of offerings of fishscrap has placed that market in a nominal condition.

Sodium Nitrate—Finding a steady outlet. Shipments of both domestic and imported are meeting existing contract schedules, with additional demand ahead of supply and the market position tight. Chilean nitrate is arriving on schedule and the general situation has uncovered no new developments.

Tankage—Sharply higher under increased buying power originating in feeding quarters. Sales were reported at $10.50 per unit both here and in Chicago, with offerings relatively light at the advance.

Fertilizer Tag Sales: October

	Equivalent tons		
	October		Oct.-Jan.
	1947	1946	1947
Virginia	48,766	48,942	590,320
North Carolina	97,115	88,321	1,347,834
South Carolina	75,200	56,985	762,689
Georgia	23,042	71,970	964,861
Florida	97,736	130,656	673,033
Alabama	10,800	33,500	622,300
Tennessee	8,027	26,940	307,098
Arkansas	6,411	4,500	146,279
Louisiana	10,760	32,300	202,703
Texas	30,703	26,251	347,748
Oklahoma	6,000	1,960	74,432
Total South	414,560	521,725	6,039,297
Indiana	43,635	19,875	591,640
Illinois	40,250	8,050	341,125
Kentucky	28,675	13,050	352,395
Missouri	5,575	14,219	219,736
Kansas	3,040	6,875	104,058
Total Midwest	121,175	62,069	1,608,954
Grand total	535,735	584,394	7,648,251

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Dried blood, 25c. per unit of ammonia.
Fishmeal, $5 per ton.
Tankage, $1 per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.5	72.5	72.5	72.1

(For Current Prices see Page 9)

Phosphates

Phosphate Rock—Current demand has kept far enough ahead of production to hold the market's position tight. The movement of rock from mines was reported better at the close of the month, with some improvement in the allocation of boxcars. The persistent call for shipments from acidulators and for export has prevented any accumulation of stocks above ground to satisfy additional requirements.

Superphosphate—Total production of superphosphate for the first nine months of this year amounted to 7,522,000 equivalent tons, basis 18 percent a.p.a.; this was an increase of 17 percent over January-September, 1946. Shipments, totaling 4,171,000 tons were 6 percent higher than for the same period last year, and total disposition increased by 12 percent. The local market has not relaxed from its tight supply condition, although trade reports indicate a somewhat easier supply situation in the southeastern area.

Potashes

Further improvement was noted in the boxcar situation at the close of the month. Producers' warehouses are still packed but are not bulging like they were a month ago. If transportation continues to improve, it will take about two months to restore shipments to a normal basis, it is said. Production has been sustained at a satisfactory level.

Palestine's exports of potash in the first half of 1947 increased substantially in quantity and value from those in the corresponding period of 1946. Totals were 71,276 metric tons, valued at £876,282, and 39,376 tons, worth £503,514.

Insecticides

Benzenehexachloride—According to the Chemical Division of the Tariff Commission, production in September based on the isomer content of benzenehexachloride was 90,192 pounds, against 103,995 pounds in August. September was the only month in the first nine when monthly production did not record an increase. Current stocks are meeting requirements both for home and export. Inquiries involving sizable quantities are in the market for Argentina and Uruguay. Experimental tests for removing mange and ticks on livestock have proved highly satisfactory, while reports from Maryland, New Jersey and Pennsylvania indicate remarkable effectiveness in eradicating the plum curculio in all stone fruits.

DDT—Market has continued in relatively free supply. Production was cutback to 3,679,269 pounds in September, which was the lowest monthly record for any of the first nine months. The August total was 4,066,918 pounds, and the high was established in June at 5,320,221 pounds.

Pyrethrum—In the first quarter of 1947 Brazil's exports of pyrethrum decreased to 308 metric tons from 1,110 tons in the corresponding period of 1946, according to the Brazilian ministry of finance. The United States took 143 and 803 tons, respectively.

Sulphur and Pyrites

Heavy demand has continued to reach the market for sulphur. Pressure for boxcars has resulted in a moderate supply and the movement from mines has been maintained on a fairly regular basis. Shipments of pyrites against contract accounts have constituted the current movement. No additional arrivals of Spanish material were recorded.

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Coaltar Chemicals

Steel operations were set last week at 96.3 percent of ingot capacity, some 0.7 percent under the previous week. Cresylics, phenol, and naphthalene remained among the most critical basic coaltar chemicals and there was not enough of these materials to go around. Prices on all basics of this type remained firm. Toluol, in some quarters, advanced 1½ cents per gallon on spot material effective December 1, with a similar rise in contract prices due to become effective on January 1. Toluol, along with benzol and xylol, were in a tightening market, with xylol more free than the other two. Xylol contract prices in most quarters were advanced 1½ cents per gallon effective December 1, following the price rise on spot material that took effect November 1.

Coaltar remained tight, while creosote production this year has been such as to make the market for creosote oil fairly easy. Cresol and cresylic acid were quite short by virtue of the short supply and low imports in the face of heavy demand. Phenol production of both technical and U.S.P. grades amounted to 94,796,281 pounds during the first three quarters of this year, and although supplies were short, prices were unchanged.

The feeling was expressed in some quarters that at the year's end there would be some slight advances in the price of phenol, but no major producer had as yet made any definite decision on the matter. Crude pyridine continued tight but not critical, while the denaturing grade was readily available.

Aniline was being produced steadily to meet the continued strong demand, production during the first three quarters of this year totaling some 78,815,389 pounds. DDT was readily available for prompt shipment, as producers were well stocked with material and demand was off. One of the intermediates used in large volume in the manufacture of DDT was monochlorobenzene, and the lessened demand for DDT resulted in a more free market for this chemical intermediate. Supplies of orthochloroparanitroanilin were reported to be limited in the face of good demand. Ortho cresol was definitely quite short, with imports continuing low. Supplies of paratertiarybutylphenol were short with quotations firm. Phthalic anhydride was still a quite critical chemical with no immediate relief in sight. Total production during the first three-quarters of this year amounted to 103,187,562 pounds.

The schedule of steel operations, according to the American Iron and Steel Institute, was scheduled last week at 96.3 percent of capacity which was equivalent to 1,685,200 net tons of ingots and castings. The previous week production schedules were set at 1,697,400 tons as compared with a comparable schedule for one month ago, while one year ago the output was 1,106,800 net tons.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
138.9	138.9	138.9	131.0

(For Current Prices see Page 9)

Basic Products

Benzol—Last week saw a somewhat tigher supply position with respect to benzol in the face of a continued heavy demand. Prices continued to ride at their current levels and were expected to continue to the end of the year. Production of benzol for the first three quarters of this year amounted to 12,790,186 gallons of motor grade by coke oven operators only, according to the U. S. Tariff Commission reports; 104,380,648 gallons of all other grades by coke oven operators, and 16,397,678 gallons of all other grades by tar and petroleum distillers. Coke oven production dropped off slightly in September, as compared to August, and the September figures were the lowest of any month during the quarter. Estimates made early in the year that total production for this year would amount to 160,000,000 to 170,000,000 gallons were viewed at this point as being substantially correct. The increasing tightening of supplies on benzol was characteristic of the market in general for aromatic solvents and chemicals, and was the result of an overall growing demand rather than an intensified demand stemming from one or two directions only.

Coaltar—This market remained virtually unchanged last week. Demand continued in excess of available supplies with prices holding firm. There was no expected relief in the pressure of demand in the near future, with supplies not likely to show any increase because steel operations were being maintained at virtually full capacity, and demand for coaltar derivatives was likely to be sustained at its high level indefinitely.

Creosote—In the face of good demand and with supplies not yet back to normal in relation to demand, creosote prices held firm at their current levels. Production during the first three quarters of this year according to a Tariff Commission report totaled 120,794,887 gallons of which 91,296,936 gallons was produced by tar distillers and 29,497,951 gallons was produced by coke oven operators. Production by tar distillers in September was roughly some 1,800,000 gallons greater than production during August. At this point of the year, it would appear that total domestic production for the year would be well in line with production during the prewar years, and that when imports were added the available supply would amount to a reasonable balance with demand.

Cresol—Remaining very tight, this market was unchanged last week. Short supplies were selling at steady price schedules. Tariff commission reports indicated that production of meta-para material during the first three quarters of this year amounted to 4,645,280 pounds, while production of the ortho-meta-para mixed cresols totaled some 7,056,117 pounds. September production of the latter fell off some 300,000 pounds under August production, and represented the lowest production month during the year.

Cresylic Acid—September production of domestic cresylic acid following the cresols, was the lowest production month during the first three quarters of this year amounting to 1,696,517 pounds, some 700,000 pounds under August production. This brought the total production for the first nine months of this year to 19,392,911 pounds from all sources. Imports, meanwhile, continued extremely low, and the domestic production had to be spread quite thinly over the wide American market in which demand far exceeds the supply. Prices of the domestic material held firm at their current levels established at the mid-year. Imported last week were 629 drums from Sydney and Liverpool.

Naphthalene—Crude naphthalene was under strong demand for the production of phthalic anhydride and naphthalene derivatives used as intermediates by the pigment and dyestuffs industries. Demand for the 74 degree material was, of course, considerably under demand for the 78 degree material because of the relatively fewer number of manufacturers who make phthalic anhydride from the 74 degree material. With respect to all crudes, however, there was insufficient material to go around. Refined naphthalene, however, while in somewhat increasing demand was still readily available on prompt shipment.

Total production of naphthalene during the first three quarters of this year, according to a Tariff Commission report, amounted to 314,987,278 pounds. Of this total, 169,267,690 pounds of crude were produced by tar distillers, 70,832,736 pounds of crude were produced by coke-oven operators, and tar distillers produced 74,886,852 pounds of refined naphthalene.

September production of this basic chemical, like most coaltar basics, dropped below the August figures, and was the lowest month for the period under review.

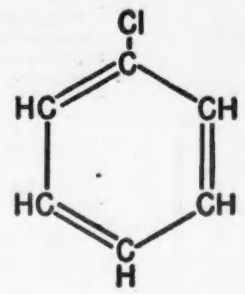
Phenol—This material remained in a short supply position, making the market tight with consumers being unable to get sufficient quantities to meet their needs, and with shipping and deliveries running be-

Coke By-Products

Estimates of by-product cokeoven operations in the week ended November 22 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,188,735
Ammonia sulphate	lbs.	30,781,980
Benzol	gals.	3,879,030
Coaltar	gals.	14,389,950
Creosote oil	gals.	800,832
Naphthalene, crude	lbs.	1,901,976
Phenol	lbs.	225,234
Toluol	gals.	775,806
Xylol	gals.	175,182

For Late Market Developments, See Page 4



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hind. Producers continued to operate against a heavy backlog of orders, while prices held firm. Some quarters expressed the feeling that there would be an increase in price beginning the first of the year, but the matter was still in a speculative stage, and no major producer had as yet made any official decision on the matter.

Total production from all sources of both the technical and USP grades, according to the Tariff Commission, amounted to 23,365,135 pounds for September which was a figure well in line with recent months. This brings the total production for the first three quarters of this year to 94,796,281 pounds.

Demand for the alkyl substituted phenols used in the manufacture of phenol-formaldehyde resins was reported to be holding up well, and a stronger demand in the coming months was in prospect.

Pyridine—This item was somewhat less critical than such coaltar chemicals as naphthalene and the cresylics, but supplies of the technical material was still quite short, whereas the denaturing grade was readily available.

Production of crude pyridine by tar distillers was reported by the Tariff Commission as 59,657 gallons in September, bringing the total from this source for the first three quarters of this year to 510,912 gallons. Refined pyridine production by both tar distillers and coke oven operators ran to 11,825 gallons during August and this brought the nine months total to 102,543 gallons.

Toluol—This solvent and chemical was increasingly short in supply last week as heavy demands upon available supplies continued. During September coke oven operators produced some 2,363,175 gallons of toluol, bringing their total for the first three quarters of the year to 19,673,341 gallons. All other sources of toluol produced during the same nine months period was 24,722,151 gallons, bringing the grand total of toluol production for the first three quarters of this year to 44,395,492 gallons.

Spot prices on toluol were advanced 1½c. per gallon in many quarters effective December 1, with contract prices slated to hold firm at the old level until the first of the year.

Xylol—This aromatic solvent was being shipped in an ever tightening market last week, although as yet it was not as tight as benzol or toluol. The tightening market stemmed from an overall strong demand rather than from large jumps in specific demands. In addition, a contributing cause to the tightening market situation was the pressure of demand on the petroleum industry which produces large volumes of xylol, for additional aviation gasoline. This aviation gas demand was expected to cut into the possible xylol production, and thus adversely affect the market.

Prices on contract xylol, following the price advance November 1 on spot xylol, advanced 1½c. per gallon effective December 1, in many quarters. Production of xylol from all sources, according to the Tariff Commission, amounted to 2,995,016 gallons during September, which brought the total for the first three quarters of this year to 35,518,596 gallons.

Intermediates

Anilin—The market situation on this item was one of firm quotations on material which was being shipped essentially from production, because demand was such as to use the product as fast as it could be produced. Under heavy call as a dyestuffs intermediate, supplies were not critical, because essential raw materials were readily available. However, production facilities were such that there was no excess of production.

Anilin production during September was on a fair par with August, amounting to 8,630,160 pounds, bringing the total for the first three quarters of this year to 78,815,389 pounds.

Dichlorodiphenyltrichloroethane — Supplies of DDT were freely available on an easy market with shipments prompt. Prices were firm despite the weak demand. At this time of the year, there was a seasonal slump which was expected to continue for some time, until the Spring demand made itself apparent. In addition to the seasonal demand slump, there appeared to be considerable competition for DDT developing lessened need for DDT by virtue of the good job it has done in recent months as an insecticide. Furthermore, there was conciderable competition for DDT developing from the competitive materials such as benzene hexachloride, particularly since it is being produced in large quantities on a more odorless basis, and made more effective than heretofore by higher ratios of the gamma isomer.

Monochlorobenzene—The market for this chemical was eased somewhat in recent weeks as the result of a drop in demand for DDT in which monochlorobenzene is an important intermediate. Prices, meanwhile held firm, and production held up fairly well

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in comparison to recent months. September production as reported by the Tariff Commission amounted to 27,360,404 pounds, bringing the total production for the first three quarters of this year up to 242,724,080 pounds.

Orthocresol—Supplies of this chemical were very short as domestic production was insufficient to meet demand, and imports were low. Last week there was imported from Liverpool 48 drums of this material.

Orthochloroparanitroaniln—Limited supplies of this material were available last week at firm prices in the range of 57½c. per pound in drums.

Paradibromobenzene—This material was being quoted last week at 45c. to 70c. per pound, depending on the quantity.

Paratertiarybutylphenol — Demand for this chemical was strong in a tight market wherein short supplies were being quoted at firm prices in the range of 19c. to 20c. per pound in bags at the factory.

Phenyldiethanolamine—Supplies of this material were reasonably available in quantities that could be shipped promptly. Some suppliers were short making satisfaction of their customers somewhat difficult, while other producers were said to be rather long on supplies. Prices were firm in the range of 33c. to 34c. per pound.

Phthalic Anhydride—The tight market position of this material gave rise to a rumor that government allocation of supplies was about to be resumed. The OPD Washington Bureau, however, checked the story and found it to be utterly without foundation in fact. Demand meanwhile continued at its high level of recent weeks, and producers continued to operate against a heavy backlog of orders. No immediate relief from the tight market position could be expected, and although additional plant capacity was being planned for early 1948, the overall increase of supplies of phthalic anhydride was not expected to be great, because the plants will, for the most part, be operated by large producers of naphthalene, who will use their own naphthalene to operate their plants. Naphthalene thus used will accordingly not be shipped to those who were buying it heretofore for the purpose of making phthalic anhydride. Until the overall production of naphthalene can be substantially increased, the phthalic anhydride market is apt to remain tight.

September production was some 600,000 pounds under the August production of phthalic anhydride, according to the Tariff Commission. During the first three quarters of this year, total production of this chemical amounted to 103,187,562 pounds.

Calco Publishes Rayon Dyeing Bulletin

Calco Chemical Division, American Cyanamid Company, has published technical bulletin 795, entitled "Studies on Rayon Dyeing: Applications of the Dyeometer." Copies may be obtained from the company at Bound Brook, N. J.

Hercules Powder Company Publishes 'Clorafin' Booklet

Hercules Powder Company, Wilmington, Del., has published a booklet containing information on new applications of its chlorinated paraffin, "Clorafin". The publication also covers revised information on the use of the material in flame-proof and weather-proof textile coatings. The general properties of the various types of "Clorafin" are discussed and an appendix lists all trade names mentioned in the text and includes the chemical identity of these trade names. Copies may be obtained from the company.

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Textile and Leather Chemicals

Firm conditions continued to feature the sizing materials market last week. Active consuming inquiry was noted for starches, but trading was centered in cornstarch because of the scarcity of available supplies of other starches. Production of cornstarch and dextrin was sold up and moved steadily against current contracts. These materials were strong and reflected the firmness of the corn market. Production of potato starch was limited and sold well ahead. Grinders were operating far below capacity and reports from Idaho stated that the output was 10 to 15 percent of capacity. Producers in Maine were working only on a part time basis and were not offering to any extent. Demand for potato starch was active, with business restricted to an occasional resale quantity. Tapioca flour was advanced fractionally for shipment. Higher cost of replacements strengthened the local market and prices were also higher on the spot. Offers for shipment were limited, with demand active for nearby delivery. Scarcity of egg albumen and yolk confined business to small lots which commanded premiums. Prices were strong at the recent advance, though large users were protected by contracts placed early in the season. Volume of trading was expected to be light during the balance of the year because of the closeness of the start of the new season's production. Relief in the supply situation was looked for from the Far East, in view of the improvement of the egg products production in China.

Trading in tanstuffs continued light last week. Tanners operated in a hand to mouth manner and limited interest to divi divi, quebracho and wattle extracts. Although business was slow, primary markets continued on a steady basis. Offers for shipment were maintained at former levels. Reports were in the trade that the government added substantial quantities—more than 30,000 tons of quebracho extract to its stockpile. Official confirmation was withheld.

Higher prices for the following dyewood extracts become effective December 1: Fustic, hematine, hypernic, logwood, osage orange, and quecitron. Liquid extract was advanced, ½ cent per pound, solid extract, 1 cent and crystals, 1½ cent.

Reports from Auckland indicated that a new record price of 56 pence (76 cents) a pound for super half-bred grades of wool was set as the wool market spurted under the stimulus of reduced American wool tariffs. Prices for all grades were substantially higher than in 1946.

Market Trends

Prices Advanced

Tapioca flour, ¾c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
387.1	387.1	279.7	292.8

(For Current Prices see Page 9)

Chemicals

Bichromates—Active consuming inquiry was noted for requirements early next year. While prices for next year have not been announced, prevailing quotations were expected to continue in effect for the first quarter of 1948. Tight supply conditions continue to dominate the market. Domestic consumption was heavy, which has reduced supplies available for export. Demand for export is very active and unsatisfied.

Sulphonated Oils—Further price advances in tallow were reflected in the sulphonated grades and quotations while firmer were entirely nominal due to the rapid advances in the basic material. High cost of sulphonated animal, fish and vegetable oils has reduced the consumption of these products, and increased the use of substitutes.

Sizing Materials

Albumen, Egg—Market continued strong, owing to the scarcity of supplies. Trading was limited to small quantities for actual requirements. Offers were scarce, and small stocks were held by suppliers for regular customers. Edible flake was nominal at $2.90 to $3.00 per pound, with occasional barrels reported sold at the outside figure. Inquiry was keener for technical and with supplies reduced, the market was firm, ranging from $1.25 to $1.40 per pound, depending upon quantity and quality.

Albumin, Blood—Business was reported in moderate quantities for prompt needs. Market was unchanged and steady. Supplies were fairly liberal and adequate to cover current demand.

Dextrin, Corn—Active domestic and export demand continued to take the production. Market remained strong and reflected the high cost of the grain. Prices were unchanged and firm.

Egg, Yolk—While trading was light, the market was unchanged and firm. Supplies were limited and closely held at $1.20 to $1.25 per pound, as to quantity. Tanners yolk held at 5½c. to 7c. per pound, according to quantity.

Sago Flour—Conditions in this market were firm, as a result of the higher cost of shipments from primary centers. Supplies on the spot were scarce and the market entirely nominal at 9½c. Stocks afloat were quoted at 9c., landed New York.

Starch, Corn—This market continued to be featured by an active demand for domestic delivery and shipment abroad. Production was sold ahead, with strong prices reflecting the high cost of corn. Visible corn supply was increased 1,022,000 bushels to 9,174,000 bushels for the week ended November 22, against 10,932,000 bushels for the same time last year, it was reported by the Chicago Board of Trade. Department of Agriculture announced 1948 farm goals calling for a continuation of high wartime production levels. The goal for the 1948 corn crop was set at 92,120,000 acres against 86,424,000 acres in 1947, an increase of 7 percent.

Starch, Potato—Buying interest was unabated, with offerings scarce and restricted to occasional car lots of resale material. Light trading was reported at 10½c. per pound, car lots New York delivery. Supplies on the spot were limited and quotations were merely nominal at 10½c. to 11c. per pound, as to quantity and seller. Mills in Idaho were reported operating from 10 to 15 percent of capacity and prospects were poor for improvement during the balance of this year. Production there was sold up to next February. Department of Agriculture has ordered its branch offices to discontinue until further notice the purchase of potatoes for the purpose of supporting grower prices. The order becomes effective November 22 because prices are at or above price support levels.

Tapioca Flour—Higher cost of replacements resulted in the raising of prices for spot material. Mediums were lifted to 9¾c. to 10c. and higher grades to 10¾c. to 11c. per pound, according to quantity, bringing the market in line with the increase at Brazilian markets. Offers for shipment were limited and were well held at the recent advance.

Tanning Materials

Chestnut Extract—Trading was reported light last week. Supplies were adequate to meet current demand. Prices were without change.

Divi-Divi—Offerings for shipment were not liberal and closely held at former levels. Consuming inquiry was light. Business of late has been spotty.

Mangrove Bark—Interest in nearby replacements was reported improved, though trading was quiet. Offers for shipment were fairly liberal and well held at unchanged quotations.

Myrobalans—This market was inactive, though reports from primary centers indicated steady and unchanged quotations for shipment. Consuming inquiry was limited.

Quebracho Extract—Offers for shipment continued light and were maintained at former quotations. Consumers continued to show a good inquiry for nearby requirements. It was reported in the trade that more than 30,000 tons of quebracho extract was recently purchased for the government stockpile. Official confirmation was withheld. Arrivals at New York totaled 41,120 bags last week.

Tara Powder—Conditions in primary markets were reported steady. Shipments were unchanged and well held. Inquiry was reported dull.

Valonia—Higher prices were named for beards for shipment with sellers asking $85 per ton, ex-dock. Cups were advanced to $57 to $58 per ton, same basis. The reason given for the boost was that the crop was short. Consuming interest was quiet before and after the advance.

Wattle Extract—Limited offerings continued to restrict trading. Tanners showed an active inquiry for extract replacements, while interest in the bark was moderate. Primary markets were unchanged and firm.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

The past week in the market for drugs and fine chemicals brought one of the sharpest price declines to be made in the reasonably recent past in quotations on the derivatives of quicksilver: i.e., calomel, corrosive sublimate, technical red and yellow mercury oxides, red precipitate, and white precipitate. The decline was expected ultimately to be extended to red and yellow mercury iodide and to cyanide of mercury. Also, domestic makers of tartaric acid and tartrates named sharply lower quotations.

Glycerin was strong retaining its recent potentialities but the exceptionally wide differences in refiners prices were continued, pending further developments in the oils, tallow, and crude glycerin markets. Castor beans remained weak and next transactions were expected to lower the Brazilian price level. Quicksilver was still unsettled and prices were off once more.

During the period, an analysis of the latest production report covering seventeen specified synthetic organic chemicals showed that the total of September output fell 5,957,309 pounds below that in August, as revised. The combined total for September was 163,326,145 pounds against August at 169,283,454 pounds by revised figures.

September production of acetanilide, acetylsalicylic acid, ethyl acetate, ethyl ether, formaldehyde, niacin and niacinamide combined, phenobarbital, pyridoxin hydrochloride, sulphathiazole, and thiamine hydrochloride increased but the output of acetone, amyl acetates, butyl alcohol, dibutyl phthalate, ethyleneglycol, and synthetic as well as natural methanol decreased. Also, the production of penicillin and streptomycin increased in September.

Acetanilide — Major producers continued to report a relatively tight situation as to supplies. In September, production rose to 582,466 pounds from the August figure of 434,895 pounds, according to the latest data provided by the U. S. Tariff Commission. Prices for technical material differed by 2c. per pound, according to producer.

Acetone—The latest production data issued by the U. S. Tariff Commission show that in September, output dropped to 32,063,333 pounds from the August total of 36,023,949 pounds, a fact that probably accounts for the not abundant presence of the article in the open market where demand continued to be good last week.

Acid, Acetylsalicylic—The production figures for September showed a rise to 1,082,728 pounds from the August total of 1,125,609 pounds, according to the data released by the U. S. Tariff Commission. The call from distributors and packagers was active throughout the past week and the market kept a very firm undertone.

Acid, Aminoacetic—Fairish stability was the rule in prices for this article. Supply seemed to cope well with need and the very steady movement into buyers' hands tended to strengthen the well stabilized spot market.

Acid, Ascorbic—The latest production data of the U. S. Tariff Commission fail to provide figures for this acid. The last data were provided for the month of May at which time 70,554 pounds were produced. In the first five months of this year, the largest monthly output came in March when 102,063 pounds were reported.

Acid, Cacodylic—Trade was quiet, being more quiet than it had been of late. However, prices remained relatively steady in the absence of much competition between leading suppliers whose supply met needs on a satisfactory basis.

Acid, Citric—Trade was down to levels rather common to this acid at this season of the year. Supply was ample in all respects and present conditions suggested that when seasonal expansion shall come next spring, requirements of consumers will be filled in prompt fashion. Production costs tend to hold prices exceptionally steady.

Acid, Hydroiodic—The firm fashion in which raw material has been held for a substantial period of time has been reflected in the price position for this derivative. Demand was routine and for small lots but equaled recent volume in most instances.

Acid, Salicylic—Requirements of buyers kept volume to a satisfactory total and the constant movement into consumption made difficult all attempts to build a satisfactory reserve of stocks in the hands of producers. Undertones were very firm and unsettlement in the market seemed unlikely at any nearby time because of the lack of expanding production.

Acid, Tartaric—Domestic makers reduced prices sharply to 45½c. per pound for 10,000-pound quantities. Smaller lots became 46c.

Market Trends

Prices Advanced

Milk powder, skimmed, spray, ½c. per lb.
whole, roller, 1¼c. per lb.
spray, ¾c. per lb.

Prices Reduced

Acid, Tartaric, 4½c. per lb.
Calomel, 28c. per lb.
Corrosive sublimate, 25c. per lb.
Cream of Tartar, 3c. per lb.
Mercury oxide, red, tech., 30c. per lb.
yellow, tech., 30c. per lb.
USP, 30c. per lb.
Quicksilver, $1 per flask
Red precipitate, 30c. per lb.
Rochelle salt, 1½c. per lb.
White precipitate, 27c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
255.6	256.7	255.8	250.5

(For Current Prices see Page 9)

to 46½c. The development reflected a somewhat lower cost of production, although the last change in raw material prices was an advance.

Alcohol — Demand pressed production hard. Plants of producers were operating at a high rate, yet the need was even greater than the prevailing total of output. The grain situation has hurt output that during the war accounted for a high gallonage of production. Main dependence now is on blackstrap molasses of which there is no increasing supply and won't be until more production becomes possible. Consumer requirements of alcohol show little if any tendency other than to increase and that fact alone would account for the present market strength of the material.

Amyl and Isoamyl Acetates—The open market contained little material wherewith to fill new orders. Production was under tight engagement and each pound seemed to have an owner even before it came from the plants. The September combined production dropped to 975,691 pounds from the August output at 1,207,434 pounds, according to the latest data provided by the U. S. Tariff Commission. Production this year was greatest in June when the total was 1,212,435 pounds. The smallest monthly figure given thus far was 801,892 pounds in April.

Antipyrene—Supply was as tight as ever and need was no less than the comparatively high total prevailing for many months past. A strong situation seemed likely to continue almost indefinitely.

Barbital—Some former suppliers were unable to offer and in such directions quotations have been withdrawn. Limited quantities in other quarters were held at very firm prices under good demand.

Bismuth—Salts and metal held firm to strong. Demand was very steady as to volume and persistence with the result that all prices were items of real strength and the market undertones were virtually strong.

Butyl Alcohol—Primary normal material in September was in smaller production, totaling 10,968,888 pounds against August output at 12,652,412 pounds. The supply was under close wraps and expansion in available supply was said to be virtually impossible under the hampering production conditions that fact some producers who are unable to change the worsening picture.

Brucine—Demand was rather light last week, consisting mainly of small orders the total of which was said to be a decrease from that common to the market in recent weeks. Production cost was well maintained, giving current quotations on alkaloid and sulphate full support.

Caffeine—Particularly good demand for citrated material was noted last week and the gain in sales tended to strengthen the already firm position of that material. Calls for alkaloid were also on the active side and the recent advance in quotations was subject to full support in terms of consumer requirements.

Calcium Gluconate—Supplies seemed to be well distributed. Even secondhands were offering the article liberally. Prices were steady throughout the period during which demand was not newly active.

Calcium Mandelate—Higher prices recently reported in this item were said to be the object of only a moderate demand on the part of buyers. Production was said to cost more but availability of the item was excellent.

Castor Oil—Absence of trading in the Brazilian market resulted in a period during which further development, anent the recently downward trend of shipment prices quoted on castor beans, failed of achievement. The feeling was that the next business put through at the source would be at still lower prices, but no known factor guaranteed such a movement. The fact that there has been already a substantial drop from bean price levels prevailing

For Late Market Developments, See Page 4

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when the last schedule was set on castor oil might be argued in favor of a firmer tone developing in Brazil in the not far distant future. However, some here last week did expect to buy still cheaper at the source where last transactions went through at $172 per long ton, f.o.b. Brazilian ports.

Arrivals of castor beans totaled 27,529 bags, or 4,129,350 pounds last week, against 70,083 bags, or 10,632,450 pounds, in the previous week, and 8,580 bags or 1,287,000 pounds in the corresponding week, 1946.

Total arrivals since January 1 this year became 1,437,825 bags, or 215,673,750 pounds, against 1,154,987 bags, or 173,248,000 pounds during the corresponding period, 1946.

Chloroform — Raw material conditions tended to keep this article to a firm price position regardless of the rather routine character of demand for technical material and the not expansive call for USP merchandise. Volume was about level with that in recent weeks.

Cocoa Butter—Shortage was acute and accounted for the fact that foreign made butter was finding a ready market in this country where major production was said to be well sold ahead and where production costs are based on beans at the highest prices of record.

Codliver Oil—Demand was very steady. It had a seasonal quality that tended to improve with the advance of fall toward winter and the very certain increase in consuming requirements during the next few months. All accounts from foreign parts mentioned high consumption and strong prices as preeminent characteristics.

Corn Syrup—Late reports on the situation in corn showed rising prices and a growing shortage in supplies for whatever purpose. During the previous week, corn prices advanced 8c. to 12⅞c. per bushel. Husking reports were said to suggest that a downward revision will be necessary in the final estimate on the 1947 crop. All of which spelt nothing but strength for the syrup market during months to come.

Cream of Tartar — Prices were reduced sharply in response to more favorable production costs. In 5,000 pound lots, the price was 38½c. per pound. Smaller lots, 39c. to 39½c.

Dibutyl Phthalate—September production dropped to 3,679,269 pounds from the August figure at 4,066,918 pounds, according to latest data released by the U. S. Tariff Commission. This was almost the nadir for production thus far this year, only May production being lower at 1,056,290 pounds. The high month for the year was January with 2,094,021 pounds.

Ephedrine—The market held little surplus material. Sales commitments have accounted for much of the future production of this material, leaving spot deliveries on new orders a rather difficult situation. Prices were well stabilized on a firm basis.

Ethyl Acetate—The market has a strong undertone indicated recently when prices were advanced substantially and when the delivery situation was said to be on the tight side. According to the latest release by the U. S. Commission, September production of 85 percent material rose to 6,785,254 pounds.

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from August at 5,899,025 pounds. January held the record for production being 10,185,200 pounds. July was lowest with 5,821,503 pounds.

Ethyl Ether—September production increased to 2,644,300 pounds from the August total of 2,611,072 pounds, according to the U. S. Tariff Commission report just released. August was the low point of the year thus far. Largest production was in May, being 4,212,337 pounds. Demand continued active and supply was less than the total of immediate requirements.

Ethyleneglycol—The present shortage in the market is suggested by the latest production figures provided by the U. S. Tariff Commission. The September total dropped to 18,110,592 pounds from the August output at 20,358,381 pounds. August was the high point of the nine-month period. The lowest production in that time came in February when 14,670,291 pounds were produced.

Formaldehyde — Production in September rose at 41,143,205 pounds from the August total of 38,719,233 pounds, according to the U. S. Tariff Commission data just released. August output was the smallest thus far this year. Highest was January with 46,340,624 pounds.

Glycerin — The widely spread minimum prices for all kinds of glycerin were unaltered during the past week. Basically, the situation appeared to be no less strong than it had been. Refiners in some instances find it impossible to purchase soaplye crude, which, according to general report, was in some instances being deliberately withheld from the market because of the prospect for getting still higher prices if basic fats and oils used by soapers who sell their recovered glycerin shall continue to rise in price. Major glycerin production rests with refiners who themselves consume practically all crude glycerin recovered and some of such refiners indicated that current glycerin quotations suggest a tallow market around 25c.—which is less than had been paid already.

Guaiacol—Seasonal demand does not find ample excess stocks of this article available in this market. Sellers were rather reserved in their approach to sales and the general market position was one of real strength.

Mercurials—Because of the sustained declines in prices on quicksilver, the lowering of production costs on mercurials resulted last week in very sharp reductions in the

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schedule. Calomel became $1.82 per lb.; corrosive sublimate, crystals, $1.68; granular, powder, $1.53; oxide, yellow, technical, $1.95; USP, $2.44; oxide, red, technical, $2; red precipitate, 2.17; white precipitate, $2.

Methanol—September production totaled 43,584,214 pounds of synthetic material, a decrease from August output at 44,542,406 pounds, according to the U. S. Tariff Commission. September was the third lowest production month of the nine-month period, being exceeded only by April with a record of 41,210,066 pounds and June with a total of 43,497,136 pounds. The high month of the year thus far was January in which 47,442,143 pounds were produced.

Production of natural methanol in September dropped to 1,329,421 pounds from the August total of 1,343,770 pounds. Highest production was struck in January when 1,467,480 pounds were made. Lowest for the nine-month period came in June with 1,177,504 pounds.

Niacin and Niacinamide—Combined production of these materials in September rose to 81,699 pounds from the August total at 51,358 pounds, according to the last data supplied by the U. S. Tariff Commission. August output had been lowest for the year. The highest production was reached at 121,824 pounds in February.

Penicillin—Production in September rose to 3,365,394 million units from August at 3,228,667 million units, according to the U. S. Tariff. September was the largest production thus far in 1947. During the nine-month period, production was lowest in June when 2,412,630 million units were produced.

Phenobarbital—A rise in September production to 41,597 pounds compared with August at 30,711 pounds was reported by the U. S. Tariff Commission. High for the nine-month period came in April with 49,254 pounds. Lowest was reached in February at 24,754 pounds.

Pyridoxin Hydrochloride — Production swung upward in September to reach 984 pounds against August at 885 pounds, according to the U. S. Tariff Commission. Production was lowest at 831 pounds in May and highest at 1,627 pounds in March.

Rochelle Salt—Quotations were reduced at midweek, making 5,000-pound lots sell at 33½c. per pound; smaller lots, 33c. Basic raw material was cheaper.

Saccharin—Effective December 1, minimum quotations on granular, soluble material will be advanced 10c., making the 1,000 pound price $1.40 per pound, and smaller lots, $1.50. Also, powdered soluble or insoluble material will rise 15c., the 1,000 pound price becoming $1.45, and smaller lots, $1.55 per pound. Prices on the outside of the range were not changed.

Streptomycin—October production approximated 1,309,000 grams, a gain of about 300,000 grams over September output, according to the Department of Commerce report of November 21. Stocks on November 1 were 542,000 grams, an increase of some 200,000 grams over the average of the preceding four months and more than 100,000 grams above the previous peak. Domestic civilian consumption remained under 600,000 grams per month. Export shipments have risen to approximately 500,000 grams in October, comparing with July exports at 125,000 grams. Rise in production and stocks and the meeting of domestic demand, coupled with export requests in excess of quotas led to 700,000 grams being allowed for overseas sale in November.

The U. S. Tariff Commission in its latest report on production set September output at 1,038,552 grams, a rise from August output at 874,435 grams. The commission first gave production figures for July when the output was 1,000,753 grams.

Sulphathiazole—September production increased to 222,721 pounds from the August total of 208,268 pounds, in the latest data provided by the U. S. Tariff Commission. No September figures on all other sulpha drugs were provided, the last having been 259,252 pounds produced in August.

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Bids Wanted

Aluminum Sulphate, 48,000 pounds, Army Chemical Center, Md., invitation 167, December 3; 32 tons, Army Quartermaster (West Point, N. Y.) invitation 69, December 4.

Carbon Tetrachloride, 2,750 gallons, Army Chemical Center, Md., invitation 167, December 3.

Disodium Phosphate, anhydrous, 15,000 pounds, Army Chemical Center, Md., invitation 167 December 3.

Drugs and Chemicals, Veterans Administration (Washington 25, D. C.) invitation A-67, December 4; invitation A-66, December 3; invitation A-68, December 5.

Glue, marine, 20,000 pounds, Navy Department (Washington 25, D. C.) negotiation 4817, December 12.

Ink, duplicating machine, 225,000 pounds, various deliveries, Army Quartermaster (New York 3, N. Y.) invitation 308, December 5.

Lubricants, City of Cleveland, resolution No. 1520-47, December 5.

Motor Oil, City of Cleveland, resolution No. 1518-47, December 5.

Paint Enamel, 200 gallons, Army Air Corps (McClellan Field, Calif.) invitation 79, December 9; 7,776 gallons, Army Air Corps (Wright Field, Dayton, Ohio) invitation 439, December 9.

Paint, various, 465 gallons, Army Air Corps (Wright Field, Dayton, Ohio) invitation 379, December 8; 1,900 gallons, Army Air Corps (McClellan Field, Calif.) invitation 78, December 5; approximately 700 gallons, invitation 79, December 9; 2,000 gallons, invitation 77, December 5; 2,000 gallons, Navy Department (Washington 25, D. C.) negotiation 4807, December 4.

Petroleum naphtha, 8,000 gallons, Army Ordnance (Rock Island, Ill.) invitation 69, December 3.

Red squill powder, 1,000 pounds, District of Columbia Government, Purchasing Officer (Washington 7, D. C.) schedule 11014-A, December 9.

Rust Preventive Compound, 2,480 gallons, Navy Department (Washington 25, D. C.) negotiation 4877, December 8.

Soap, general cleansing paste, 100,000 pounds, various deliveries, Quartermaster, Marine Corps, Navy Department (Washington 25, D. C.) schedule 284, December 8; automobile, 24,000 pounds, Post Office Department (Washington 25, D. C.) invitation 1442, December 3.

Sodium hexametaphosphate, 4,000 pounds, Army Air Corps (Wright Field, Dayton, Ohio) invitation 401, December 11.

Sodium metasilicate pentahydrate, 858,000 pounds, various deliveries, Army Quartermaster (New York 3, N. Y.) invitation 301, December 5; 465,100 pounds, various deliveries, January 1, 1948, through June 30, 1948, Veterans Administration (Washington 25, D. C.) invitation 87-8, December 3.

Sodium sulphite, anhydrous, 8,000 pounds, Army Chemical Center, Md., invitation 167, December 3.

Sodium Thiosulphate, 30,000 pounds, Army Map Service (Washington 16, D. C.) invitation 19, December 4.

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New York Imports

ACONITE ROOT—9 bgs, E Meer & Co, Meridian Victory, Trieste
30 bls, R J Prentiss & Co, Meridian Victory, Trieste
ANISE—140 bgs, Cable Eye, Vera Cruz
ARABIC GUM—1,000 bgs, Stein, Hall & Co, Derwenthall, Port Sudan
ARSENIC, REFINED—81 bbls, American Smelting & Refining Co, Cable Eye, Tampico
WHITE—600 bbls, Amtorg Trading Corp, Dunitry Danskoy, Leningrad
ASBESTOS—23,332 bgs, Amtorg Trading Corp, Dunitry Damskoy, Leningrad
1,410 bgs, Johns Manville Corp, Robin Goodfellow, Lourenco Marques
1,842 bgs, Johns Manville Corp, Robin Goodfellow, Capetown
65 bgs, Philadelphia National Bank, City of Madras, Lourenco Marques
5,310 bgs, Brown Bros-Harriman Co, City of Madras, Lourenco Marques
BALATA—61 bgs, Earle Bros, Santa Sofia, Barranquilla
60 bgs, Wessel, Duval & Co, Santa Paula, Cartagena
267 blocks, Earle Bros, Rio Dale, Belem
BEES WAX—19 bgs, Machado & Co, Jean, San Pedro
43 bgs, Curacao Trading Co, Jean, Ciudad Trujillo
100 bgs, Machado & Co, Jean, Ciudad Trujillo
19 bgs, Wessel, Kulenkampf & Co, Carolyn, Ciudad Trujillo
14 bgs, Machado & Co, Carolyn, Sanchez
5 bgs, F W Stradman Co, Gerda Dan, Havana
35 bgs, General Import Distributors, Cable Eye, Havana
24 bgs, Cable Eye, Tampico
BISMUTH, REFINED—118 cs, Cerro De Pasco Copper Corp, Santa Margarita, Callao
BLOOD, DRIED—1,000 bgs, International Commercial Co, Mormacstern, Santos
BONE FLOUR—910 bgs, Chase National Bank, Golden West, Sydney
BUCHU LEAVES—10 bls, J L Hopkins & Co, City of Madras, Capetown
BURDOCK ROOT, EXTRACT—6 dms, Cable Eye, Vera Cruz
BUTTONLAC—467 cs, Mac Lac Co, Legion Victory, Bangkok
CANARY SEED—781 bgs, Hornero, Rosario
CARAWAY OIL—5 cs, Ungerer & Co, Wacosta, Rotterdam
CARAWAY SEED—100 bgs, Levy & Levis Co, Bloomersdijk, Rotterdam
100 bgs, R L Friedler, Inc, Bloomersdijk, Rotterdam
CARNAUBA WAX—132 bgs, Strahl & Pitsch, Rio Dale, Tutoya
63 bgs, Cornelius Products Co, Rio Dale, Tutoya
13 bgs, Lunham & Reeves, Rio Dale, Tutoya
76 bgs, Innis, Speiden & Co, Rio Dale, Tutoya
63 bgs, Kurtz Corp, Rio Dale, Tutoya
76 bgs, E A Bromund Co, Rio Dale, Tutoya
38 bgs, Stein, Hall & Co, Rio Dale, Tutoya
19 bgs, Wm Diehl & Co, Rio Dale, Tutoya
82 bgs, G S Ziegler & Co, Rio Dale, Tutoya
36 bgs, Enco Chemical Corp, Rio Dale, Tutoya
75 bgs, F B Ross & Co, Rio Dale, Tutoya
270 bgs, Wessel, Duval & Co, Rio Dale, Tutoya
214 bgs, Strobmeyer & Arpe Co, Rio Dale, Tutoya
63 bgs, Wm M Allison & Co, Rio Dale, Tutoya
194 bgs, Wax & Rosin Products, Inc, Rio Dale, Tutoya
CASTOR BEANS—6,750 bgs, Baker Castor Oil Co, Normacstern, Santos
846 bgs, Spencer, Kellogg & Sons, Rio Guayas, Manta
1,693 bgs, Baker Castor Oil Co, Rio Dale, Tutoya
789 bgs, Spencer Kellogg & Sons, Rio Dale, Fortaleza
7,087 bgs, Baker Castor Oil Co, Rio Dale, Recife
1,275 bgs, Baker Castor Oil Co, Bowplate, Rio de Janeiro
8,500 bgs, Bunge Corp, Froste, Bahia
CERAMIC COLORS—1 cs, B F Drakenfeld & Co, Fort Musquarro, Liverpool
1 cartoon, B F Drakenfeld & Co, Fort Musquarro, Liverpool
CINNAMON—250 bls, C T Wilson & Co, Derwenthall, Galle
50 bls, Gillespie & Co, Derwenthall, Colombo
50 bls, Max Van Pels, Derwenthall, Colombo
CITRONELLA OIL—29 dms, Ungerer & Co, Derwenthall, Galle
3 dms, Geo Lueders & Co, Derwenthall, Galle
10 dms, Colgate-Palmolive-Peet Co, Derwenthall, Galle
9 dms, Stein, Hall & Co, Derwenthall, Galle
28 dms, Orbis Products Corp, Derwenthall, Galle
28 dms, Magnus, Mabee & Reynard, Derwenthall, Galle
6 dms, Volkart Bros, Derwenthall, Colombo
21 dms, Derwenthall, Galle
1 dm, J D Walsh, Jean, Ciudad Trujillo
CLAY—316 bgs, R T French Co, Sacramento, Hull
COCOABUTTER—166 bls, General Cocoa Co, Bloomersdijk, Rotterdam
417 bls, General Cocoa Co, Froste, Bahia
COPAL GUM—174 bgs, O G Innes Corp, Ferncliff, Manila
300 bgs, H P Winters & Co, Great Falls Victory, Matadi
222 baskets, Brown Bros-Harriman Co, Legion Victory, Makassar
149 baskets, S Winterbourne & Co, Legion Victory, Makassar
130 baskets, Guaranty Trust Co, Legion Victory, Makassar
COTTON LINTERS—4,833 bls, First National Bank, Dunitry Danskoy, Leningrad
CRESYLIC ACID—75 dms, American British Chemical Supplies, Inc, Golden West, Sydney
554 dms, Fort Musquarro, Liverpool
1 cs, Fort Musquarro, Liverpool
CYANIDE, PRECIPITATED—5 cs, Irvington Smelting & Refining Works, Santa Margarita, Puna
CYMBARUM OIL—6 dms, Ungerer & Co, Mormacstern, Rio de Janeiro
11 dms, Dodge & Olcott Co, Mormacstern, Rio de Janeiro
22 dms, National City Bank, Mormacstern, Rio de Janeiro
DAMAR GUM—70 bgs, Gillespie-Rogers-Pyatt Co, Derwenthall, Singapore
50 cs, O G Innes Corp, Derwenthall, Singapore
840 bgs, O G Innes Corp, Derwenthall, Singapore
250 cs, Sino Java Handel Vereenging, Inc, Legion Victory, Batavia
ETHANOLAMINE—19 bbls, Procter & Gamble Co, Horseshoe Spice, Havana
EUCALYPTUS OIL—28 dms, Orbis Products Corp, Golden West, Sydney
10 dms, Chemical Bank & Trust Co, Golden West, Sydney
EUCALPTUS WOOD EXTRACT—4,350 bgs, E I du Pont de Nemours & Co, Golden West, Freemantle
FISH OIL—100 dms, Distillation Products, Inc, Great Falls Victory, Bergen
FLAXSEED HUSK—270 bgs, T M Duche & Sons, Derwenthall, Bombay
402 bgs, S B Penick & Co, Derwenthall, Bombay
FLUE ASH—115 dms, Standard Oil Co N J, F H Bedford, Aruba
FUEL OIL—110,000 bbls, Standard Oil Co N J, F H Bedford, Aruba
10,000 bbls, Asiatic Petroleum Corp, Santa Paula, Curacao
109,211 bbls, Gulf Oil Corp, Gulfshore, Curacao
FUR WASTE—25 bls, Bank of New South Wales, Golden West, Melbourne
GALL—15 tres, Wilson & Co, Mormacport, Buenos Aires
7 dms, International Commercial Co, Golden West, Sydney
GAMBIER—152 cs, C L Camerik, Legion Victory, Singapore
GELATIN, SHEET—70 cs, International Selling Co, Bastogne, Antwerp
GLUESTOCK—100 bls, National City Bank, Cable Eye, Havana
GREAVES—3,187 cakes, Bank of the Manhattan Co, Froste, Buenos Aires
16 bgs, Bank of the Manhattan Co, Froste, Buenos Aires
GUMLAC—27 cs, International General Electric Co, Mormacstern, Rio de Janeiro
GYPSUM—400 bgs, Hammil & Gillespie, Sacramanto, Hull
IRON OXIDE—20 cks, J H Rhodes & Co, Fort Musquarro, Liverpool
JALAP ROOT—21 bgs, Glyn Mills & Co, Cable Eye, Vera Cruz
KARAYA GUM—66 bgs, E Meer & Co, Derwenthall, Bombay
KOLA NUTS—126 bgs, Franklin International Corp, Great Falls Victory, Kagos
KYANITE—600 tons, Golwynne Chemical Corp, City of Madras, Mombasa
100 tons, 5 cwt, East Asiatic Co, Golden West, Freemantle
LEAVES, MEDICINAL—4 bgs, E Meer & Co, Meridian Victory, Trieste
LEMONGRASS OIL—23 dms, Volkart Bros, Derwenthall, Cochin
1 dm, J D Walsh, Jean, Ciudad Trujillo
7 dms, Dodge & Olcott Co, Cable Eye, Vera Cruz
7 dms, Cable Eye, Vera Cruz
LICORICE ROOT—1,813 bls, Amtorg Trading Corp, Dumitry Danskoy, Leningrad
38 bgs, Amtorg Trading Corp, Damitry Danskoy, Leningrad
LIME OIL, DISTILLED—1 dm, Citrus & Allied Essential Oil Co, Jean, San Pedro
LITHARGE—750 dms, American Smelting & Refining Co, Cable Eye, Tampico
MACE—17 cs, Chemical Bank & Trust Co, Legion Victory, Makassar
15 cs, Guaranty Trust Co, Legion Victory, Makassar
MANGROVE BARK—1,887 bgs, River Plate Import & Export Corp, Robin Goodfellow, Zanzibar
MAGNESIUM CARBONATE—100 cs, Schoefield, Donald Co, Fort Musquarro, Liverpool
MENTHOL—25 cs, McKesson & Robbins, Mormacstern, Rio de Janeiro
MICA—20 cs, Fabricantes En General, S A, Mormacstern, Rio de Janeiro
36 cs, United Mineral & Chemical Co, Mormacstern, Rio de Janeiro
40 cs, Asheville Schoonmaker Mica Co, Mormacstern, Rio de Janeiro
98 cs, Sussex Trading Corp, Mormacstern, Rio de Janeiro
15 cs, Ford Radio & Mica Corp, Mormacstern, Rio de Janeiro
51 cs, Gillespie-Rogers-Pyatt Co, Mormacstern, Rio de Janeiro
135 cs, Cosmopolitan Trading Co, Bowplate, Rio de Janeiro
20 cs, Diamond Drill Carbon Co, Bowplate, Rio de Janeiro
40 cs, Ford Radio & Mica Corp, Bowplate, Rio de Janeiro
20 cs, Otto Gerdau Co, Bowplate, Rio de Janeiro
18 cs, Fabricantes En General, Bowplate, Rio de Janeiro
10 cs, Eugene Munsell & Co, Bowplate, Rio de Janeiro
MUSTARD SEED—440 bgs, A G Dunn, Great Falls Victory, Copenhagen
300 bgs, E L McDonnell & Co, Bloomerdijk, Rotterdam
MYROBALANS, CRUSHED—582 bgs, River Plate Import & Export Corp, Derwenthall, Bombay
NUTMEGS—140 bgs, A G Dunn, Legion Victory, Singapore
NUX VOMICA—400 bgs, Volkart Bros, Derwenthall, Cochin
OCHER, RED—4 cks, J Lee Smith & Co, Sacramento, Hull
ORANGE OIL, BITTER—1 cs, Citrus & Allied Essential Oil Co, Jean, San Pedro
ORTHOCRS. OL—48 dms, Fort Musquarro, Liverpool
OURICURY WAX—57 bgs, Wm M Allison & Co, Froste, Bahia
PALMAROSA OIL—1 pot, Volkart Bros, Derwenthall, Bombay
PAPAIN—171 cs, American Ferment Co, City of Madras, Mombasa
PEPPER, BLACK—1,203 bgs, Volkart Bros, Derwenthall, Cochin
720 bgs, Mincing Trading Corp, Derwenthall, Cochin
150 bgs, Bloomersdijk, Rotterdam
113 bgs, Atlantic Processing Mill Co, Bloomersdijk, Rotterdam
162 bgs, International Rotterdam, Inc, Legion Victory, Singapore
WHITE—168 bgs, International Rotterdam, Inc, Legion Victory, Singapore
PERILLO GUM—200 bgs, Chicle Development Co, Santa Sofia, Barranquilla
PETROLEUM, CRUDE—90,983 bbls, Cities Service Oil Co, Queenston Heights, Las Piedras
120,147 bbls, Standard Oil Co of N J, Esso New Orleans, Puerto La Cruz
167,352 bbls, Cities Service Oil Co, Council Grove, Las Piedras
165,310 bbls, Standard Oil Co N J, Casa Grande, Cartagena
63,505 bbls, Barnet National Bank, Oscar F Barrett, Tampico
110,063 bbls, Standard Oil Co N J, Pine Ridge, Las Piedras
POPPYSEED—200 bgs, Levy & Levis Co, Exford, Istanbul
333 bgs, C M Van Sillevoldt, Exford, Istanbul
100 bgs, Walter Loewy, Exford, Istanbul
267 bgs, Becker-Mayer Seed Co, Exford, Istanbul
150 bgs, Bloomersdijk, Rotterdam
325 bgs, Wacosta, Rotterdam
POTASSIUM HYDROXIDE—25 dms, Bergstrom Trading Co, Great Falls Victory, Gothenburg
PYRETHRUM FLOWERS—750 bls, Westinghouse Electric International Co, Robin Goodfellow, Dar Es Salaam
PYRIDIN—7 dms, American British Supplies, Inc, Golden West, Sydney
QUARTZ CRYSTAL—23 cs, P A Dana & Co, Bow Plate, Rio de Janeiro
QUEBRACHO EXTRACT—20,521 bgs, Carl M Loeb-Rhoades Co, Rio Araza, Buenos Aires
20,002 bgs, Carl M Loeb-Rhoades Co, Froste, Buenos Aires
QUICKSILVER—50 flasks, Chase National Bank, Cable Eye, Tampico
RAPESEED—480 bgs, Cable Eye, Vera Cruz
RHODAMINE—6 dms, Copex Corp, Media, Liverpool
RHUBARB—44 cs, American Pacific Industrial Corp, Ferncliff, Shanghai
ROCK CRYSTAL—125 cs, Pan American Trade Development Corp, Mormacstern, Rio de Janeiro
RUTILE SAND—3,200 bgs, Bank of New South Wales, Golden West, Sydney
5,689 bgs, Brown Bros-Harriman Co, Golden West, Sydney
2,123 bgs, Golden West, Sydney
SAGE LEAVES—16 bls, F W Mead & Co, Meridian Victory, Trieste
166 bls, Sokol & Co, Meridian Victory, Trieste
167 bls, M J Golombeck, Meridian Victory, Trieste
168 bls, A G Dunn, Meridian Victory, Trieste
250 bls, Louis Furth, Inc, Meridian Victory, Trieste
500 bls, Joensson & Cross, Meridian Victory, Trieste
385 bls, Becker-Mayer Seed Co, Meridian Victory, Trieste

AL AMMONIAC—40 cs, Lo Curto & Funk, Media, Liverpool
SANDALWOOD OIL—13 cs, Canadian Bank of Commerce, Golden West, Fremantle
SARSAPARILLA ROOT—4 bls, Cable Eye, Vera Cruz
SENNA LEAVES—200 bls, Volkart Bros, Derwenthall, Tuticorin
50 bls, Max Van Pels, Derwenthall, Tuticorin
SODIUM NAPHTHIONATE—6 cks, China Trading & Industrial Development Co, Bloemersdijk, Rotterdam
SORVA GUM—16 cs, Herman Weber & Co, Rio Dale, Belem
SULPHUR—3 cks, Lo Curto & Funk, Fort Musquarro, Liverpool
TALC—834 bgs, F H Vandegrift & Co, Exford, Genoa
42 bgs, American Export Line, Exford, Genoa
26,756 bgs, Charles Mathieu, Inc, Exford, Genoa
TAPIOCA FLOUR—1,000 bgs, Morningstar, Nicol, Inc, Rio Dale, Tutoya
2,000 bgs, J Henry Schroeder Banking Corp, Rio Dale, Tutoya
834 bgs, Geismar & Co, Rio Dale, Tutoya
1,460 bgs, Stein, Hall & Co, Bowplate, Santos
3,018 bgs, Geismar & Co, Bowplate, Santos
TAR, POWDERED—625 bgs, Irving Trust Co, Gerda Dan, Valparaiso
THYMOL—4 cs, Canadian Bank of Commerce, Golden West, Fremantle
TOLU BALSAM—100 cs, Magnus, Mabee & Reynard, Santa Sofia, Barranquilla
VENICE TURPENTINE—36 cs, G I Lincks, Inc, Meridian Victory, Trieste
VERMICULITE—500 bgs, Philipp Bros, City of Madras, Lourenco Marques
WATTLE BARK—2,696 bgs, Hammond & Carpenter, City of Madras, Durban
1,115 bls, American Dyewood Co, City of Madras, Durban
EXTRACT—1,868 bgs, American Cyanamid & Chemical Corp, Robin Sherwood, Durban
WHITING—1,093 bgs, Taintor Trading Co, Sacramento, Hull
ZIRCON SAND—641 bgs, Bank of New South Wales, Golden West, Melbourne
7,846 bgs, Bank of New South Wales, Golden West, Sydney

Baltimore

CHROME ORE—705,000 lbs, E J Lavino & Co, Robin Sherwood, Lourenco Marques
3,300,455 lbs, Vanadium Corp of America, Robin Sherwood, Lourenco Marques
4,467,595 lbs, Mutual Chemical Co, Robin Goodfellow, Lourenco Marques
2,645,715 lbs, American Metal Corp, Robin Goodfellow, Lourenco Marques
1,492,780 lbs, E J Lavino & Co, Robin Goodfellow, Lourenco Marques
2,554,870 lbs, American Metal Corp, Robin Goodfellow, Lourenco Marques
MICA—500 bgs, Richmond Mica Corp, Robin Goodfellow, Lourenco Marques
100 bgs, F D Pitts & Co, Robin Goodfellow, Lourenco Marques
500 bgs, Richmond Mica Corp, City of Madras, Lourenco Marques
PEPPER, BLACK—180 bgs, Otto Gerdau Co, Derwenthall, Cochin
WATTLE BARK EXTRACT—5,326 bgs, American Cyanamid & Chemical Corp, Robin Sherwin, Durban

Boston

GLUESTOCK—53 rolls, J Gorvers & Co, Santa Sofia, Barranquilla
40 rolls, Remis & Co, Carolyn, Ciudad Trujillo
47 bls, Remis & Co, Carolyn, Ciudad Trujillo
45 screens, Carolyn, Ciudad Trujillo
126 bdls, J Gorvers & Co, Gerda Dan, Buenaventura
70 bls, J Gorvers & Co, Cable Eye, Havana
WATTLE BARK EXTRACT—2,454 bgs, American Cyanamid & Chemical Corp, Robin Goodfellow, Durban

Norfolk

MANGANESE ORE—4,762,600 lbs, Bethlehem Steel Co, City of Madras, Durban

Philadelphia

ASBESTOS FIBER—8,000 bgs, Keasby Mattison Co, Robin Sherwood, Lourenco Marques
3,200 bgs, Keasby Mattison Co, Robin Goodfellow, Lourenco Marques
526 bgs, Keasby Mattison, Robin Goodfellow, Capetown
789 bgs, Premier Shipping, Inc, City of Madras, Lourenco Marques
IRON ORE—4,500 tons, E J Lavino & Co, Ferncliff, Masinloc

San Francisco

SAGE LEAVES—169 bls, D Hecht & Co, Meridian Victory, Trieste

Southern Rhodesia Bans Certain U.S. Imports

Southern Rhodesia has announced new import control regulations, placing under license all imports from the United States and other specified countries, and has announced a list of articles for which no licenses will be issued. Included on the list are:—

Glue; extracts and essences; gelatine; hops; milk, dessicated; mustard; salt; seeds and spices, edible; glucose; sweetening substances; perfumed spirits; toilet preparations, spirituous; castor oil; paints, ready mixed; colors ground in oil; polishes; varnish; soap, common, toilet and other; acetic and vinegar essence; dyes; perfumery and toilet preparations.

Trade Briefs

Lebanon has granted a concession to the French petroleum company, Cie. Francaise des Petroles, for the erection of a refinery.

Seaboard Oil Company has elected Leonard Eberl, of Messer Oil Corporation, and Bayard Haskins, of Ebenezer Oil Company, to its board of directors.

Sun Oil Company, Philadelphia, has appointed Storrs J. Case advertising manager. He previously owned and operated a tire distributorship at Van Nuys, Calif.

Standard Oil Company of California reports that its wholly owned subsidiary, California Standard Company, has discovered crude oil in the plains of Alberta, Canada, about 150 miles southeast of Calgary.

Mercuric Iodide, C. P. and U. S. P.

1. Starting point in making compounds with iodine fatty acids.
2. Starting point in making paint pigment with the aid of cuprous iodide.
3. Used as pigment in paints for indicating excess heat by change in color.

Mercuric Nitrate, C. P.

1. Used in nitration of aromatic organic compounds.
2. Process material in felt manufacture.
3. Ingredient of mercury fulminates.

Mercuric Oxide, red, C. P.

Mercuric Oxide, yellow, C. P. and U. S. P.

1. Catalyst in making acetone from acetylene.
2. Starting point in making mercuric salts, mercury pharmaceuticals, and mercury parasiticides.
3. Oxidizing agent in making hypochlorous anhydride, diiodosalicylic acid, cyanamide from sulfoures, and amino and acetylene compounds by sulfonation, reduction and nitration.
4. Desulfurizing agent in making various organic compounds.
5. Pigment in making anti-fouling paints and varnishes.
6. Ingredient of various cosmetics, grease paints, and pomades.

Mercuric Thiocyanate, Pure

Used as intensifier in photography.

Eimer and Amend has the production capacity, the technical "know-how" and the experienced personnel at its Edgewater, N. J., manufacturing plant for furnishing high purity Mercuric Compounds for industrial use. The company has 95 years experience as manufacturing chemists and its E. & A. Tested Purity Reagents have become standards for precise analytical work.

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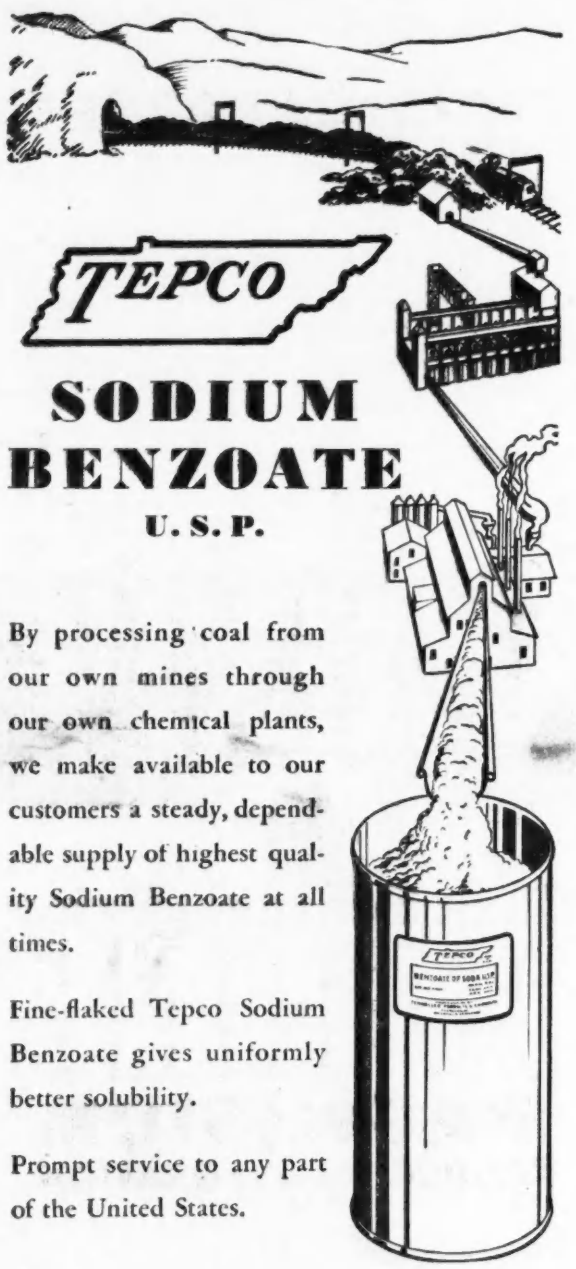

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Dr. Guenther Addresses Maryland ACS Section

Dr. Ernest Guenther, vice-president and chief chemist of Fritzsche Brothers, Inc., essential aromatics house, New York, was guest speaker at a recent meeting of the Maryland section of the American Chemical Society at Johns Hopkins University, Baltimore. He presented a series of motion pictures on "The Production of Essential Oils in the Western Hemisphere" and accompanied the films with a discourse on the same subject.

He particularly stressed the development of essential oils production in Haiti and noted the important position which this republic has attained during the past few years in the production of petitgrain, lemongrass, vetiver and sandalwood oils. His talk also touched on production of oils in the United States, Mexico, the West Indies, and Central and South America.

Morphine Plant Planned By Dutch Companies

Construction of a new plant for the large scale production of morphine from poppyseed chaff has been announced by the Bonnema and Zwitsal pharmaceutical and chemical works at Apeldoorn, Netherlands, according to Aneta news agency. Blue poppyseed is reported to be available in sufficient quantity in that country to allow the entire domestic needs to be covered and to obtain a surplus for export.

'Ex-Lax' Charges Dropped

OPD Washington Bureau

Counsel for the Federal Trade Commission last week moved to drop its complaint against Ex-Lax, Inc., and the Joseph Katz Company, advertising agency, charging dissemination of false and misleading advertising in the sale of "Ex-Lax". A motion was filed with the commission to dismiss the charges without prejudice in view of the new policy of the commission not to require warning statements in the advertisement of irritant laxatives unless they contain certain ingredients.

Trade Briefs

Wyeth, Inc., Philadelphia, has been selected as a merit award winner in the pharmaceutical section of the 1947 direct mail advertising competition sponsored by the Direct Mail Advertising Association, New York.

McKesson & Robbins is distributing to all employees an "Employees Annual Review," outlining operations of the company for the past fiscal year. It is part of a national program to develop closer understanding between management and employees in company divisions throughout the United States.

Far East Trade Authority Available for Conferences

Ashley G. Hope, United States consul at Shanghai, China, will be available for trade conferences with New York businessmen on December 3 to 5 at the New York regional office of the Department of Commerce, 350 Fifth avenue. Mr. Hope has had opportunity to view trade conditions throughout the Far East and will be prepared to discuss trade matters with individuals. Those wishing to make appointments should phone Longacre 3-7000, extension 12.

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APMA Award Dinner Open to Non-Members

The scientific award dinner of the American Pharmaceutical Manufacturers Association, to be held at the Waldorf-Astoria hotel, New York, on December 16, will be open to non-members of the association. Reservations can be made at room 1009, 608 Fifth avenue, New York.

APMA Announces

—Continued from page 7

on: "Antibiotics in Clinical Medicine," by Dr. Chester S. Keefer, Wade professor of medicine, Boston University; "Progress in Endocrine Therapy," by Dr. David P. Barr, professor of medicine, Cornell University; "Drug Theraphy in Degenerative Disease," by Dr. Andrew C. Ivy, vice-president and director of professional schools, University of Illinois; "Recent Advances in the Chemotherapy of Tuberculosis," by Dr. H. McLeod Riggins, chairman, chemotherapy committee, American Trudeau Society, and "Recent Advances in Drug Therapy in Psychiatry and Neurology," by Dr. Henry R. Viets, lecturer on neurology, Harvard University.

At the dinner session the principal address will be delivered by Dr. Edward L. Bortz, president of the AMA, who will discuss "The Philosophy of Medical Research." Short talks will be made by Charles W. Dunn, general counsel of APMA, and James L. Rogers, president of APMA. The award presentation statement will be made by Dr. Perrin H. Long, professor of preventative medicine, Johns Hopkins University, and it will be accepted by Dr. Sensenich.

Wednesday, December 17

The morning will be devoted to an industry session on industry and business policy, presided over by Elmer J. Bobst, president, William R. Warner & Co. Speakers will be: Francis A. Wandell, E. R. Squibb & Sons, "Purchasing"; Floyd K. Thayer, Abbott Laboratories, "Inventory Control"; James S. Adams, Standard Brands, Inc., "Personnel Relations," and John W. Darr, Institute of Public Relations, Inc., "Public Relations."

In the afternoon there will be an industry session on medical marketing problems, presided over by Franklin P. O'Brien. There will be a panel discussion, with the panel consisting of: Dr. J. Mark Hiebert, Sterling Drug, Inc.; William D. McAdams, William Douglas McAdams, Inc.; Dr. Frank J. Stockman, Winthrop-Stearns, Inc., and Kenneth F. Valentine, Pitman-Moore Company.

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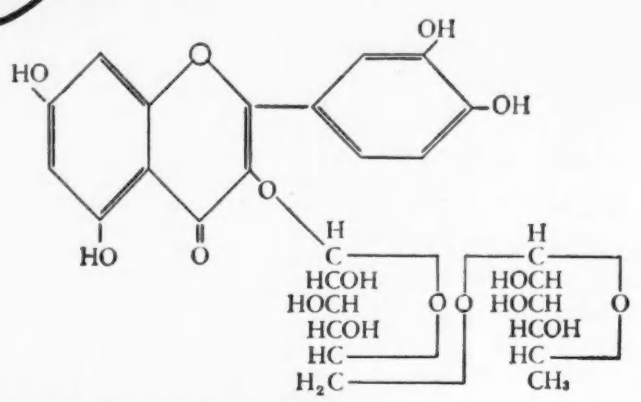

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Botanical Drugs, Spices, Gums

With Thanksgiving splitting the business week in two and with the Christmas holidays about to appear over the December horizon, the botanical drug market showed signs of business recession last week. Ahead of manufacturing consumers loom the "pleasures" of inventory taking and also the scrutiny of affairs with a view toward the best possible financial statement at the close of the calender year.

The period during which purchasing agents develop disinterest in offerings made for prompt acceptance was at hand, and throughout the period under review few were the orders that were not driven to the spot by implacable necessity and imperative requirement. It was a very quiet week from whatever point of view.

The fact that many of the larger buyers of these entities carry substantial inventories of crude drugs was not without influence on the tendency of potential buyers to turn a jaundiced eye on proposals of new business when made by botanical drug dealers. It was substantial inventories that had kept botanical sales tightly corseted during the collection season, a fact which, in turn, had made some primary market dealers go slow in buying new collections—always barring exceptional items and special necessities which, for the most part, consisted of articles long lacking the element of normal supply. The whole contributed to the slower trading.

So far as prices were concerned, fewer were the changes and seldom were the instances in which major articles came in for new developments. Some items showed a tendency to strengthen after an extended period of price-illness, among them being rhubarb, for which higher quotations were predicted by sellers. Goldenseal was another in that category, and lobelia, bloodroot, blueflag, and senega trod the same potential path. Vanilla beans from Mexico were cheaper, but the Bourbon bean was definitely set for higher levels. Collectivism in the West Indian primary market sales of nutmegs continued to work the magic that, already, had caused shipment prices to rise substantially. The market may have been quiet as to demand generally, but the price structure held its level of strength.

Balsams

Copaiba—Replacement costs were reported higher and spot sales were made at an advance to 67c. to 70c. per pound, quoted as to seller and quantity.

Fir—Demand was light but so were stocks of Canadian balsam and that article remained exceptionally firm regardless of the limited trading last week. Oregon balsam was in more adequate supply but it also held firm under moderate request.

Barks

Black Haw—Demand in some ways was better than the general distribution of stocks of the root bark. The situation was fairly tight at all points and the tendency of prices over the balance of the current consuming year was expected to continue upward.

Cottonroot—Collection was none too ample following the harvesting of the cotton crop, but the supply thus far has covered demand and, usually, on the basis of prices more than ordinarily steady for this season of the year.

Elm—Export has not amounted to much this year and, hence, domestic consumers of this item have been well supplied in most instances. The undertone of the market was firmer last week when jobbing transactions showed a moderate gain.

Soap—Following the price reductions noted during the previous trading period, spot quotations assumed a steadier position when they had been brought definitely into line with the replacement position as well as with the current volume of consumer request in this country.

Beans

Vanilla—Mexican beans were available more freely and at more favorable prices throughout the past week. Whole beans ranged $8.25 to $9.50 per pound, the range covering variations in quality. Cuts were down to $7.50 to $8. Bourbon beans continued to be firmly maintained, but the outlook was for much higher prices once sellers here begin to merchandise beans bought at the late advance in primary market prices and made available for spot deliveries. The undertone of the market was generally steady.

Berries

Cubeb—Demand was only for jobbing quantities and there was no great amount of such requirements in the spot market during the past week. Prices held steady. They reflected the costs paid on the last substantial importations from the source—importations made some time back. Very little replacement material has reached this market.

Juniper—Trade was at relatively low ebb. Distilleries being shut down, the major source of consumption has been removed from the market and for the time being at least trading has come to a virtual standstill. The market was relatively easy.

Flowers

Arnica—Trade was light. Consumer requirements reached this market in small volume and covered immediate requirements in practically all cases. Prices continued to hold firmly and in line with what was last paid for replacement supplies. Stocks were moderate because it seems difficult to obtain top quality material certain to be released on arrival here.

Chamomile—Demand continued fair in size but it consisted mainly of orders involving quantities of moderate size and which made but limited inroads on the conservative spot supply. Prices were firmly maintained throughout the period.

Lavender—Some fair selling against holiday needs has taken place in the recent past but on the whole the market has been mainly jobbing in variety—and so it was throughout the past week of steady prices.

Rose—Red flowers—Petala Rosae Gallicae—exist only in small quantities and at almost nominal prices. Pale petals are in fair abundance and the market of narrow proportions held steady.

Rosemary—One quarter reported receipt of some flowers and leaves in fresh state arrived here by airplane for the proper celebration of the Christmas holidays to come. The article of ordinary botanical commerce was dead as a dodo last week and constituted a nominal market in every way.

Saffron—Jobbing demand continued fair but lacked expansive qualities calculated to give some increase to the prices currently

Market Trends

Prices Advanced

Drugs

Copaiba balsam, 2c. per lb.
Ginger root, African, ¾c. per lb.

Other Articles

Allspice, Mexican, ½c. per lb.
Cardamom fruit, bleached, bold, 5c. per lb.
medium, 5c. per lb.
Mace, West Indian, futures, 5c. per lb.
Nutmegs, East Indian, futures, 3c. per lb.
West Indian, futures, 3c. per lb.

Prices Reduced

Drugs

None.

Other Articles

Anise, Mexican, ¼c. per lb.
Caraway seed, Dutch, futures, 1c. per lb.
Celery seed, Indian, 1c. per lb.
Clove, Madagascar, ¼c. per lb.
Cumin seed, Persian, ½c. per lb.
Syrian, ½c. per lb.
Mustard seed, California brown, 1c. per lb.
Dutch yellow, ½c. per lb.
Poppy seed, Danish, 2c. per lb.
Sage, Dalmatian, 1c. per lb.
Vanilla beans, Mexican, whole, $1.75 per lb.
cuts, $1 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
256.2	256.2	257.3	295.4

(*For Current Prices see Page 9*)

Imports Detained by FDA

New York

Week Ended November 21

Capsicums, 160 bags: live and dead insects.
Cassia, 200 bales: insect infested.
Cassia oil, 10 drums: rosin and heavy metals.
Coriander seed, 187 bags: filthy.
Elderberries, 31 barrels: filthy.
Ginger, 275 bags: insect bored; insect filthy.
Henbane, 10 bales: not official variety.
Mace, 34 packages: insect infested.
Nutmegs, 69 bags: moldy and wormy.
Pepper, black, 3,136 bags: excess siftings and pickings; filthy; dead insects.
Sage leaves, 12 bales: not official variety.
Thyme leaves, 100 bags: insect excreta.

Baltimore

Penicillin, 1 vial: not from certified batch.
Pepper, black, 225 bags: insect infested.

For Late Market Developments, See Page 4

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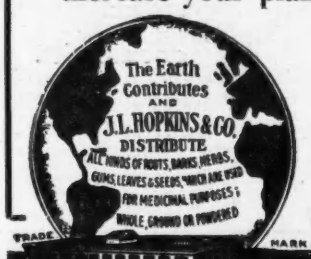

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prevailing in a very dull market. Replacement advices showed no weakness abroad.

Gums

Arabic—Trading has begun to reflect the approaching season of lessened buying with an eye to inventory considerations. Activity was within a small circle throughout the past week, yet the market showed no easing of its recently firm position and undertones had firm quality throughout the past week. The stock reserve held locally was considered to be ample to care for any expansion in sales that may be coincident with the turn of the year and the release of buyers from inventory restrictions.

Asafetida—Fair business along jobbing lines limned the market throughout the week under review. Some gain in demand for powder led to an increase in milling of the material. Undertones and prices held firm.

Benzoin—Demand was on a jobbing basis, covering the hand-to-mouth requirements of a not large number of buyers. Undertones were moderately easy and the tendency of competition still to dominate affairs was noted.

Camphor—Little or nothing reaches here regarding progress, or its lack, in reconstituting the camphor market in the Far East. Fair stocks of crude and refined camphor are held in Taiwan but the machinery for sale and export still is rusty with disuse. Demand for the domestic synthetic camphor was about normal and prices for all varieties appeared to be completely stable.

Myrrh—Movement was still very fair and under special stimulus of the season but on the whole trading has begun to contract, and by the close of last week was definitely of jobbing variety.

Herbs and Leaves

Adonis Vernalis—Jobbing business was the rule but it was fairly active within conservative limits. Business was more than sufficient to make for steady maintenance of spot quotations.

Buchu—Trading between now and the coming of a new year was expected to be rather slow. During the past week, only pressing requirements came to the spot and they bulked a jobbing business by the close of the period. Quotations remained very steady.

Coltsfoot—A revival of jobbing inquiry was noted in one quarter and some gain in such sales resulted by the end of last week. Stocks were relatively light and appeared incapable of material expansion under conditions at present governing replacements.

Lobelia—The supply was in tight position. The little left at the origin was in strong hands whose appreciation of values was well known. At the moment, demand was limited to small lots.

Sage—Dalmatian material was lowered to the basis of 26c. to 27c. per pound. Other varieties lacked price development. All were under a routine request from buyers whose need was not particularly pressing during the past week.

Senna—Prices were firm everywhere the article was offered. Rectification of the line of spot quotations has not been extended but, on the contrary, has been followed by a consolidation of the market position and a steadying of the price structure to a material degree. Spot and replacement quotations were in line.

Stramonium—The market continued to display a firming of undertones and a disposition to seek somewhat higher price position should demand be maintained and replacement be supported at its present price level.

Tarragon—The addict to this herb of leaf has tough going at present since there is little available and then only at relatively high prices which, it was said, were justified by replacement cost.

Miscellaneous

Dragon's Blood—Demand has been of the sort not specially stimulating to import activity on the part of former suppliers of thin reeds. The call was still limited to small lots.

Corn Silk—Reserves were at least sufficient to care for the falling demand likely to prevail in the spot market over the balance of this year. The item goes into its dull season in fairly steady price position.

Irish Moss—Stocks multiply and demand fails to reduce them to an important extent. Conditions favored buyers highly and the ability of dealers to get normal quality material from Europe has about killed dealers' interest in any offerings of domestic production.

Papain—The market assumed a steadier position following the moderate concession in spot prices during the previous trading period. Supply was far from being excessive, however, and only substantial recession in replacement prices will bring fur-

PEEK AND VELSOR INCORPORATED
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CRUDE DRUGS

N.F.

NUTGALL

48

It is an odd quirk that *Quercus Infectoria*—Aleppo nutgall to you—should find its earliest use in determining the purity of verdigris. The Roman naturalist, Pliny the Elder, recorded that paper saturated with a solution of nutgall was a test for iron sulphate used to adulterate the costly verdigris.

Nutgall exists because a female insect punctures the bark or foliage of the Syrian gall oak shrub and lays her eggs therein. This irritates the shrub and an excresence becomes a morbid secretion which is called gall. The eggs hatch in July, and the young insect nips through the gall only to fly to another shrub and start the cycle again.

Our Almanach

Dec. 2. 1859—John Brown hanged at Charlestown, Va.
Dec. 3. 1931—Rockne of Notre Dame died in plane crash.
Dec. 4. 1935—Last 6th Ave., 'El' train ran in New York.
Dec. 5. 1782—Birthday of Pres. Martin Van Buren.
Dec. 7. 1941—Japan's 'Day of Infamy'.

WAREHOUSE AND MILLS

JERSEY CITY NEW JERSEY

CRUDE BOTANICAL DRUGS From Forty Nations TRADE MARK

ther reduction in spot quotations, it was said.

Roots

Alkanet—Competition was more noticeable last week and although prices lacked change, the tendency of sellers was to temper them in favor of buyers even in the limited quantities taken during the period under review.

Althea—Ample supplies were available, ample, that is, when compared with the very narrow consuming outlet that has prevailed for a number of weeks in the past. Prices were firm mainly because of, the cost of present stocks and the absence of weakness in the quotations on replacement material.

Blueflag—Little was available in any quarter and those with stocks in hand conserved them for special purposes of regular customers. The market was purely nominal.

Colombo—Some further quantities of better than fair size were offered for shipment from the normal primary market for this root. Prices asked were reasonably attractive and appeared to forecast a maintenance of present spot quotations.

Doggrass—Imported root still revealed signs of some unsettlement but the situation did not extend to a further reduction from levels set during the decline in the previous trading period. The tendency toward competition still prevailed.

Heliebore—Black hellebore—the Christmas Rose—has blossomed earlier than usual this year, probably because of the failure of cold weather to come and stay in November. The stands in the hinterland were said to be excellent. White helebore bored buyers throughout the past week but trade is likely to revive, come the spring.

Goldenseal—Price movements everywhere have become restricted and the tendency toward solidification of values appeared to prevail at the origin as well as on the spot and secondary markets. Demand has contracted into narrow confines that only export request seems likely to burst.

Seeds

Anise—Some Mexican seed was awaiting release and when available was to be bought for 25¼c. per pound. Meanwhile, released goods were lowered to 25¾c. to 26¼c. per pound. Other varieties of anise lacked change.

Caraway—The sole change came in Dutch seed for future arrival and its price was reduced to 17½c. to 18c. per pound.

Cardamom—Origin continued to advance prices on bold and medium bleached material. The former on spot went to $1.80 to $1.85 per pound and the latter to $1.50 to $1.55.

Celery—Indian seed on spot became easier in keeping with the situation at the source and local quotations ended the week at 21½c. to 22c. per pound.

Cumin—Syrian and Persian goods were easier and lower at 24c. to 24½c. per pound for either throughout the past week.

Dill — Dewhiskered material tended toward a moderate decline but lack of much demand was sufficient to leave the price level for change later on.

Mustard—The entire crop of one prominent Copenhagen supplier of Danish seed reported to this market as sold to Danish oil mills for pressing. California brown seed was down to 20c. to 21c. per pound and Dutch yellow was shaded to 17c. to 17½c.

Poppy—Danish seed was higher at 22c. to 23c. per pound and Dutch seed in future position was higher at 26c. to 26½c.

Spices

Allspice—Mexican material was firmer and higher at 13½c. to 14c. per pound with sellers beginning to show some reserve.

Cassia—The group lacked new developments in price and appeared to hold a generally more steady position by the close of last week. At least no tendency to extend price shading was reported.

Cinnamon—Ceylon material turned steadier. Sellers were less inclined to accept bids and the general price level showed a moderate renewal of basic strength.

Clove—Madagascar spice on spot continued its price decline and by the close of last week rested moderately easy at 14½c. to 15c. per pound.

Ginger—Jamaica was offering new crop futures last week. They were restricted to No. 2 at 16½c. to 17c. per pound, and No. 3, at 16c. to 16½c. Rhattoon was proposed at the higher level of 14¾c. to 15¼c. African root was reported at 13¾c. to 14c. per pound and tending firmer most of the time during the past week.

Mace—West Indian material for future arrival was higher at $1.35 to $1.40 per pound.

Nutmegs—West Indian futures advanced to 60c. to 61c. per pound and the same price was created for East Indian material in the to-arrive position.

Los Angeles Market

Los Angeles, Nov. 27.—Business in botanical drugs and spices was quiet here this week, but was slowly picking up. Quotations were steady.

Calendula Flowers—Nominal at $2 per pound.

Marjoram—French type, 35c. per pound in dried form.

Sage—Dalmatian type, 28c. per pound for lots containing less than 12 percent stems.

Savory—French type, 25c. to 30c. per pound.

Sweet Basil—85c. per pound for lots containing less than 12 percent stems.

Thyme—French type, 70c. per pound in dried and clean form.

Peppermint Contaminated With Belladonna Leaves

Albany, Nov. 24, 1947

State Health Commissioner Herman Hilleboe has warned the public against the use of packaged peppermint leaves put up by the Allaire Woodward Co., Peoria, Ill. Laboratory tests revealed that substantially more than half of the contents of packages examined were balladonna leaves, the use of which is potentially dangerous.

Peppermint tea is used to relieve stomach ache. Two people in Schenectady became violently ill after drinking "peppermint" tea made from the Allaire-Woodward herb.

Trade Briefs

Committee for Economic Development has appointed a subcommittee to study problems related to the European recovery program.

Standard Vanilla Company, Los Angeles, has contracted for construction of a new factory building at 3131 North Main street in that city.

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Essential Oils, Other Aromatics

The essential oils and aromatic chemicals markets dropped off by 1.8 points on the price index last week, after having made a gain of 5.7 points during the previous week. The latest figure was still 3.6 points above that for the corresponding period a month ago, however, and the slight drop was not considered a serious set-back.

There were no advances reported in either group, although there were 19 products that showed decreases. Ten were in essential oils and ranged from 5c. to 75c. a pound. The aromatics showed declines for nine products, ranging from 2c. to 50c.

In the essential oils group, dillweed continued to command the greatest interest, despite the fact that prices for the week held firm. Dealers, however, were watching it with great interest as it was feared that the tight supply and the heavy demand would probably cause another rise at any time. Stocks were scarce and those dealers who had supplies on hand in anything like good quantity considered themselves among the fortunate few.

Lemon, mandarin and orange of Italian origin were either reported declining in price or out of stock. The poor quality of the Italian products, coupled with the still high prices, had had a depressing effect on the market.

Peppermint was reported down, but only slightly. Spearmint had taken a greater drop, but the market was still considered firm and most of it was going at considerably more than the lowest price quoted. Bois de rose from Brazil and petitgrain from Paraguay both experienced a quiet week, after a period of considerable fluctuation. The lemon oils showed a tendency to slide downward somewhat, but orange remained firm.

Inquiries continued to be received at a good rate and ordering was satisfactory, although most of the buying was still being done on a jobbing basis. Export business was said to be holding to good levels and only a few items were still difficult to import.

Market Trends

Prices Advanced

None

Prices Reduced

Benzyl cinnamate, 20c. per lb.
Diethyl phthalate, 9c. per lb.
Diphenyl oxide, 2c. per lb.
Ethyl cinnamate, 5c. per lb.
Eucalyptol, USP, 35c. per lb.
Eugenol, pure, USP XIII, 10c. per lb.
Guaiacwood oil, 30c. per lb.
Indol, 50c. per lb.
Isoeugenol, 15c. per lb.
Lemon oil, USP, California, 15c. per lb.
Messina, 15c. per lb.
Mandarin oil, Italian, 75c. per lb.
Palmarosa oil, 25c. per lb.
Peppermint oil, natural, 5c. per lb.
Rosemary oil, Spanish, technical, 15c. per lb.
Savin oil, 25c. per lb.
Spearmint oil, 50c. per lb.
Terpinyl acetate, extra, 15c. per lb.
Vetiver oil, Bourbon, 50c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
151.1	152.9	147.5	227.0

(For Current Prices see Page 9)

Essential Oils

Bois de Rose—The Brazilian oil held to its previous price of $3 to $5.50 last week, but one large dealer in New York pointed out that the item "has not yet run its downward course and attempts to control production at the source have apparently failed, at least temporarily. We believe this oil is reaching dangerous levels, however, and look for a reversal of this trend before too long."

Caraway—The market for this item was without particular feature last week, both as to price and the supply and demand situation. The only interesting news was the arrival in New York of five cases of the product from Rotterdam.

Cassia—Prices for the USP remained at the $2.40 to $3.75 level during the past week. Shipping prices had not yet shown a tendency to advance and the oil, in relation to anise, seemed underpriced and current levels should be regarded as favorable, it was said by one dealer.

Citronella—Prices on both the Ceylon and Java oils held to their former levels during the past week. Shipments received in New York totaled 135 drums and came from Gallo and Colombo, Ceylon, and Ciudad Trujillo, Dominican Republic.

Coriander—A very difficult supply situation remained in force for this product during the period under review, and dealers would not even guess when the oil might be offered more freely. Meanwhile the inside price of $28 a pound held firm, but the outside advanced from $33 to $35. Demand for the oil was considered heavy when examined against the small supply.

Dillweed—This product again held firm as to price last week, but neither buyers nor dealers considered that it had reached a level that could be maintained for any length of time. Because of an extreme tightness of supply and a very heavy demand, the oil, in recent weeks, had gone up steadily in price. Last week's unchanged range was considered nothing more than a lull. An executive in one of the larger houses in New York frankly stated that he expected to see the product go as high as $8 to $9 a pound after the first of the year. There will be no new crop until next August and demand was expected to go on steadily because of the custom in recent years of using the oil of the plant instead of the weed itself, thus making it possible to use the product the year around.

In its latest market report, another large New York house stated: "Those who heeded previous warnings that the price was too low and would advance can feel happy that their needs are covered. The spot market is bare and the very little oil remaining in the producing areas is strongly held. A lively buying movement has contributed to and supported the advance which is still in progress. Greater profits to be made in the growing of peppermint oil have reportedly discouraged dillweed production."

The price range was $6.25 to $7.40. Some dealers reported that they had fairly good stocks of the oil on hand, but others were still having a difficult time finding enough to satisfy their customers.

Eucalyptus—Thirty-eight drums of this oil arrived in New York last week from Sydney, Australia, but otherwise the market was without feature.

Guaiacwood—A drop of 30c. a pound on the inside of the range was noted for this oil during the period under review, although the outside figure held firm. The range, as re-established, was $2.05 to $4.15 The new inside price was considered a bit low, however, and most dealers were inclined to quote figures somewhat higher.

Lemon—One New York dealer reported a new price of $3.10 a pound for the USP California last week, which brought the inside of the range down 15c. under the last listing. The outside remained unchanged at $3.60, however. The Messina oil changed on both sides of the range during the week, the inside dropping from $3.65 to $3.50 and the outside advancing from $3.85 to $4.05. Speaking of the California product, one of the larger New York dealers last week pointed out that consumer demand continued to keep pace with production. Italy, it was said, seemed completely out of the picture because of too high prices and generally poor and uncertain quality. This dealer recommended six months coverage of all requirements.

Lemongrass—Thirty-eight drums of this oil reached New York last week from Cochin, India; Ciudad Trujillo, Dominican Republic and Vera Cruz, Mexico, but otherwise there was little of interest regarding the market.

Lime—Prices for this oil held firm last week, with the exception of the outside quotation on the expressed West Indian. That figure went up from $11.50 to $11.75 a pound, but the inside was unchanged at $9.50. The distilled oil showed no change as to price and, commenting on this, one dealer stated, "We believe the bottom of this market has been reached and the oil is available at lower prices than in many, many years." One drum of the oil came into New York from San Pedro, Argentina, last week.

Mandarin—The Italian oil was quoted by one dealer last week at 75c. a pound lower than the last listing, bringing that figure down to $8.50 per pound. For the first time in a considerable period an outside price was reported for the product. That was $10.

Orange—There were no changes in the price structure of the various orange oils last week, but the Messina was reported out of stock by several houses. One dealer advised protection for six months at current levels for all the types. One case of the bitter oil arrived in New York last week from San Pedro, Argentina.

Palmarosa—The inside price of this oil dropped from $6.25 to $6 on the inside of the range last week, while the outside remained firm at $9. One pot of the oil came into New York from Bombay.

Peppermint—A reduction of 5c. a pound was noted during the period under review for the natural oil. This change made the range $7.80 to $8.75. A brisk buying move-

For Late Market Developments, See Page 4

ment was reported afoot and the producers were said to be holding back in the hope of obtaining better prices.

Rosemary—The oil of Spanish origin, technical, came down in price from $1.05 to 90c. on the inside of the range last week, although the outside remained fixed at $1.50. The market for the U.S.P. was without feature.

Sandalwood—The N. F., Mysore, continued to be quoted at $13.75 to $22.50 last week and the only item of note was the arrival in New York of 13 cases from Fremantle, Australia.

Savin—This item dropped 25c. on the inside of the range last week, but the outside remained unchanged. The re-established quotations were $5.75 to $13.50.

Spearmint—Although prices for this oil were reported advancing generally, one dealer in New York last week reported a price of $7.50 a pound, which was 50c. under that of the previous week. The figure was considered low, however, and most quotations were somewhat higher. The outside of the range was $10.

Thyme—The NF, red, remained unchanged at $2.60 on the inside of the range last week, although the outside advanced from $3.30 to $3.35.

Vetiver—One dealer last week reported a new inside price of $31.50 a pound for this oil, which was 50c. a pound lower than the last listed price. The outside, however, showed no change from the last listing of $38.

Aromatic Chemicals

Amyl Salicylate—This item remained firm at 77c. on the inside of the range during the past week, although one dealer reported a new outside price of 90c. per pound, which was an increase of 3c. over the last listed figure.

Benzyl Alcohol—The inside price of 68c. a pound for this product was unchanged last week, although one dealer reported a new outside price of 88c., as compared to the last listed figure of 80c.

Benzyl Cinnamate—A decrease of 20c. a pound on the inside of the range was reported for this item during the past week, making the lower figure of the range $3.65. There was no reported change in the outside price of $4.

Diethyl Phthalate—The inside of the range came down by 9c. a pound for this item during the past week, but the outside remained firm. Quotations, as re-established, were 36c. to 50c.

Ethyl Butyrate—The market for this item, in bottles, was generally quiet last week, with the exception of a slight advance in the outside price. That figure went up from 80c. to 82c., but the inside remained unchanged at 72c.

Ethyl Cinnamate—A decrease of 5c. a pound was noted for this product on the inside of the range last week, but otherwise the market was without particular feature. The range, as re-established, was $2.30 to $3.25.

Eucalyptol—The USP came down in price by 35c. on the inside of the range last week, to establish a new lower figure of $2.25. There was no change in the outside price of $4.

Eugenol—A decrease from $2.35 to $2.25 on the inside of the range was noted for the pure, USP XIII during the period under review, but the outside remained firm at the old listing of $3.25.

Indol—A decrease of 50c. a pound on the inside of the range was reported for this item during the last week, making that figure $18. The outside of the range remained firm at the previous price of $23. Dealers reported that the supply and demand situation remained about the same as they had been for some time previous.

Isobutyl Acetate—There was no change reported in the price structure for this product during the period under review. Prices ranged from 97c. to $1.10. The supply and demand picture remained largely the same.

Isoeugenol—This product came down in price by 15c. a pound on the inside of the range last week to establish a new lower figure of $3.10. The outside price of $4 showed no change. Supplies were at approximately the same level at which they have been for some time and there was no reported change in the demand.

Menthol—The USP, laevo, remained unchanged as to price at $8.90 on the inside of the range during the period under review but for the first time in some months there was a figure available for the outside of the range. That was $9.95. There were still no prices available for the synthetic, technical, and the racemic continued to be quoted at $7.60 to $8.

Octyl Alcohol—The price range for this item remained unchanged at $4 to $4.40 last week and there were no reported variations in either the supply or demand pictures.

Phenyl Acetaldehyde—The pure grade last week continued to be sold for $4 a pound on the inside of the range, although there was an advance of 10c. a pound on the outside, which brought that figure up to $4.50. The 50 percent showed no change from the last listing of $2.35 to $2.75.

Terpineol—The extra grade remained unchanged as to price on the inside of the range last week and continued to be quoted at 47c., but the outside showed an advance from 71c. to 75c. There were no reported changes in the price range of the prime. The figures were still 40c. to 56c.

Terpinyl Acetate—The extra last week decreased from 80c. to 65c. on the inside of the range but the outside price held to its old established level of $1.10. The price range for the prime remained unchanged at 61c. to $1.

Vanillin—Prices for the various types held firm on last week's market and there were no considerable changes reported in either the supply or demand pictures. The ex lignin was being sold at $3 to $4.50, the ex eugenol was still being quoted at $4.50 to $4.55 and the ex guaicol showed no change from the last listing of $3 to $3.15.

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Gasoline Refineries Sold by WAA

A Pasadena, Texas, 100-octane gasoline refinery, operated for the government during the war by the Crown Central Petroleum Corporation, has been sold to that corporation for $2,300,000, War Assets Administration has announced. Production facilities include a thermofor catalytic cracker of nominal 10,000-barrel-daily capacity, a treator of nominal 5,000-barrel-daily capacity, an HF alkylation unit with a capacity of 3,500 barrels per day, and a butane isomerization unit, together with the auxiliaries and utilities necessary to sustain plant capacity operation.

Ashland Oil & Refining Company, Ashland, Ky., has reported that the War Assets Administration has accepted its offer of $2,150,000 for a high-octane refining plant at Ashland which the company operated during the war. The property will be used in refining and blending of commercial grades of gasoline.

Mines Bureau Transfers Martin to Denver

OPD Washington Bureau

The Bureau of Mines has appointed Andrew J. Martin supervising engineer of the Denver, Colo., office of its metal economics division, to succeed the late George E. Woodward. Mr. Martin has been associated with the bureau for twenty-four years, and for the past eight years has been in charge of the office of the economics and statistics branch at Joplin, Mo.

Chaney Named Director Of Gas Research Program

The American Gas Association has appointed Dr. Newcomb K. Chaney, director of research for United Gas Improvement Company, Philadelphia, director of its gas production research program.

Shell Oil to Open New Lab. December 5

Dedication of the new research laboratory and library of Shell Oil Company, located in Houston, Texas, will take place on December 5. According to H. S. M. Burns, president, the new facilities are expected to greatly increase the company's research activities and will centralize functions formerly carried on in widely scattered localities. Principal speakers at the dedication ceremonies, in addition to Mr. Burns, will be Dr. Harold Gershinowitz, laboratory director, and Col. E. O. Thompson, chairman of the Texas Railroad Commission.

Felton Chemical Company Publishes New Perfume Calatog

Felton Chemical Company, Brooklyn, N. Y., has published a new catalog, entitled "Aromatics by Felton," which contains a comprehensive listing of aromatic and perfume materials arranged according to usage. Copies may be obtained from the company's offices in Brooklyn, Los Angeles, Montreal, San Francisco, Boston, Philadelphia, Chicago, Sandusky and St. Louis.

Dr. Alexander Katz & Co. Publishes New Catalog

Dr. Alexander Katz & Co., Los Angeles, has published a new catalogue listing its essential aromatics and flavoring specialties and suggesting use for each. The catalogue, as well as the company's monthly market report, may be obtained by writing to 4641 Hollywood boulevard, Los Angeles 27, Calif.

Trade Briefs

Swan-Finch Oil Company, New York, has named Anthony J. Zino, jr., assistant sales manager of the company's industrial sales division.

Long Beach Oil Development Company has received a building permit for construction of a new laboratory in Long Beach, Calif.

Phillips Petroleum Company has offered its stockholders a new issue of 1,007,517 shares of no-par common stock which is priced at $49 a share.

Stanolind Oil & Gas Company is planning the construction of a natural gasoline plant in the Levelland field, Hockley County, Texas.

Sunray Oil Corporation has announced that 111,215 common shares of Pacific Western Oil Corporation have been offered to it for purchase at $68 per share.

Salt Dome Oil Corporation, in association with Superior Oil Company of California, has acquired leases to 66,000 acres of submerged lands in the Gulf of Mexico from the State of Texas.

Socony-Vacuum Oil Company, Inc., will install a new unit of the Society of the Sigma Xi, national organization for the encouragement of scientific research, at the company's research and development department, Paulsboro, N. J. Dr. D. E. Badertscher will head the unit.

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Petroleum Derivatives

The petroleum industry was operating under peak production conditions with an average of 5,314,450 gallons of crude oil production daily for the week ended November 22, an increase of 11,465 barrels daily over the previous week. Meanwhile, demand for refined products continued unabated, with gasoline demand keeping up to the level of previous weeks when colder weather now prevailing was expected to have taken off some of the pressure on the industry for gasoline. Meanwhile the colder weather, while not relieving the gasoline demand, stepped up the fuel oil demand very sharply creating an extremely tight supply situation. Estimates of the fuel oil shortage currently existing have ranged up to 50 percent, which is of course much out of line. The overall fuel oil picture was one of a definite shortage, but major producers felt that with their voluntary allocation to consumers on an equitable basis, aided by voluntary conservation on the part of consumers, the problem could be met. Those hardest hit will be the homes which installed new burners this year, and industrial users whose business has expanded considerably. Meanwhile, government bureaucrats clamored for power to ration. Prices on gasoline and fuel oil held to their recently established higher levels.

Cleaners naphtha was currently experiencing strong demand which began to develop from the slump of a few months ago with the fall cleaning program, and has increased steadily to date. Mineral spirits demand from the paint industry continued in volumes which prior to this year had never been required. Stoddard solvent was also in good demand. The material supplied against these three market needs, while not critical, was somewhat short by virtue of the heavy demand and the pressure on refinery schedules for other light products. Prices on this fraction were firm, being quoted in the New York area at 13 cents per gallon in tankcar quantities.

Lacquer diluent continued in good demand, rubber solvents were currently being shipped on a firmer market, and V. M. & P. naphtha was tight, particularly in some quarters where industrial demand was high. The shortage was due in large part to insufficient material being made due to the pressure of other products on refinery schedules.

Hexane was still in strong demand for vegetable and animal oil extraction, and heptane was going into lacquer diluent. Demand for butane for alkylation was strong, and propane supplies were short. Microcrystalline waxes were quite critical as were also the lighter colored paraffins under heavy demand from the food packaging industry.

Solvents and Diluents

Cleaners Solvents—The market situation on cleaners naphtha was definitely good following the seasonal slump which existed in recent months. With the Fall cleaning program which developed some weeks ago, demand for cleaners naphtha started on an upward trend which still continues strong. Any slack, however, which developed during the above mentioned slump was virtually unnoticed because of the heavy pressure of demand for this material as mineral spirits by the paint industry.

Protective Coatings Solvents—Aromatic solvent demand continued high and the seemingly ever increasing demand has created a tightening market condition which from a supply viewpoint was destined to become worse before it will turn for the better. One factor in the current market situation which will have its effect for some months to come, was the government's demand for greater quantities of aviation gasoline. This will cut into the available aromatic solvents supply.

Effective December 1, contract prices on xylol advanced 1½c. per gallon and spot toluol prices advanced 1½c. Contract toluol will not advance until January 1 by virtue of the 30-day protective clause in petroleum contracts. With respect to the aromatic/aliphatic blended solvents, the price structure at the moment was somewhat confused, since the various partial aromatic solvents did not undergo a uniform price advance. Some were advanced ½c. per gallon, some more, and others not at all. This situation was likely to soon be corrected, but as yet some producers were undecided as to which particular ones in their line should advance and of the many variable products marketed by various producers, no definite pattern had yet developed pricewise.

Demand for lacquer diluents continued strong as the result of continued heavy operations in the field of industrial lacquer finishing. On the East coast the tankcar price was holding steady at its recently established price of 14c. per gallon. In the group three area prices ranged from 10¾c. to 11⅛c. per gallon for the benzol type, and 10⅝c. to 10⅝c. for the toluol type. Supplies were in the aggregate sufficient to meet demand, but in some areas a slight local shortage was being experienced.

Mineral spirits meanwhile was experiencing the general tight market conditions prevailing in the petroleum industry, and this also applied to Stoddard solvent. No critical shortage developed, but the industry was hard pressed to keep up with demand in the pace of the unprecedented demand for gasoline which still continues despite the cold weather. Prices on mineral spirits and Stoddard solvent held firm at the newly established levels recently set by producers following the October crude oil advance.

Prices on mineral spirits currently prevailing in tankwagon quantities at various points ranged from 13½c. per gallon in New York to 16c. in Baltimore and Washington; 19.4c. in Detroit; 16.7c. in Kansas City; 17c. in Chicago; 17.1c. in St. Louis; and 12.9c. in Los Angeles.

V.M. & P. naphtha was in short supply because of the pressure on refinery schedules for gasoline. Some areas were reported to be in position to make prompt shipment, but in those areas where industrial finishes are a big factor, a rather tight market condition prevailed. Prices on this material held firm at the recently established levels set up after the October advances in crude oil and freight rates. The New York price was 13½c. per gallon in tankcars.

Rubber Solvents—The market on this item has firmed in recent weeks following a previous slight decrease in demand. Supplies were said to be somewhat tight in certain quarters, and this was due largely to insufficient material being refined due to the pressure of gasoline on refinery schedules. Prices meanwhile held firm. The New York level of prices was 13½c. per gallon in tankcars.

Lighter Fractions

Inquiry for lighter fractions continued strong last week. Supplies were in general short and trading was limited. Butane was selling on the West coast at 4½c. per gallon at Ventura, while propane at the same point was quoted at 4c. per gallon.

Hexane in the group 3 area was priced at 12c. to 12½c. per gallon, and was in strong demand as an extraction liquid in the vegetable and animal oil refining industry. Heptane was being quoted in the range of 11¼c. to 11¾c. per gallon and was being used extensively in lacquer diluents to control the evaporation rate. Meanwhile, pentane quotations were currently in the range of 8c. to 9c. per gallon. All of these lighter fraction prices quoted above refer to tankcar quantities. Tankcars of octane were listed at 13½c. per gallon, group 3 area.

Petrolatums and Waxes

There was some slight evidence recently of increased foreign buying of petrolatums, while increased inquiries from foreign sources for waxes was quite in evidence. Petrolatum sales were reported to be increased over the volume of one month ago. Supplies of waxes remained critical, however, particularly with respect to the light colored paraffins and microcrystalline waxes which are under such heavy pressure of demand by the food packaging industry.

Petrolatum prices held firm after the drop in prices which was recently effected. Refiners cut prices by some ¼c. to 1c. per pound depending on the grade, but the average reduction per grade was on the order of ½c. per pound.

Pennsylvania white crude scale wax was quoted at the refinery in barrels, carloads, at prices up to 9¼c. per pound for 122 to 124 and 124 to 126 A.m.p. grades. On the West coast, paraffin waxes remained in an oversold market at steady prices. Carload loose slabs of A.m.p. 143 to 150 material was listed at the refinery in San Francisco bay area at 8.95c. per pound.

Miscellaneous

Fuel Oils—Installation of a reported over 100,000 new oil burners in homes this year was said to have added to the already short fuel oil supply, which at this early stage of the Winter season is already critically short. Some oil companies have deliberately cut down on gasoline production in order to meet the fuel oil shortage by increased fractionation of this material. The extent of the fuel oil shortage was variously estimated up to 50 per cent, but no entirely adequate information as to the exact degree of the shortage was available. Government bureaucrats were trying to get in the position of rationing fuel oil and gasoline, whereas industrial leaders were of the opinion that such practices would not serve the public interests as well as the administration of a free industry could serve the public. Large producers have set up voluntary shipping quotas of equitable distribution to established customers and are not taking on any new customers. This left the resellers of fuel oil who took on more accounts than his quotas will supply, in a difficult position. Somewhat hard pressed also, were the large industrial users whose expanded business this year has created a demand beyond available supplies. Imported last week were some 220,211 barrels of fuel oil from Aruta and Curacoa.

Lubricating Oils—A continued tight market prevailed in Mid-continent lubricating oils, and South Texas oils were said to be still tight. Demand for Pennsylvania oils was considerably in excess of demand.

Market Trends

Prices Advanced

None

Prices Reduced

None

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended November 15 totaled 222,901,000 barrels, according to the Bureau of Mines. Compared with the total of 223,703,000 barrels for the preceding week, this represented a decrease of 802,000 barrels comprising a decrease of 994,000 barrels in stocks of domestic crude and an increase of 192,000 barrels in stocks of foreign crude. Heavy crude oil stocks in California, not included in the gasoline-bearing stocks, totaled 5,382,000 barrels, an increase of 132,000 barrels from the previous week.

For Late Market Developments, See Page 4

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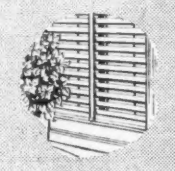

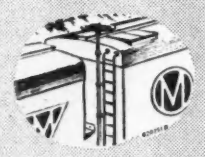

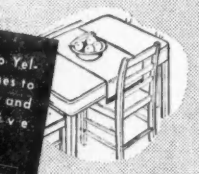

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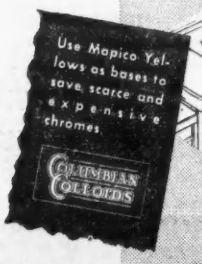


YELLOWS • REDS • BROWNS • BLACK

DUREZ RESIN NEWS

DUREZ 202 RESIN

A 100% PHENOLIC RESIN, oil and heat reactive, Durez 202 Resin has outstanding ability to advance under heat. Varnishes and enamels based on this resin and either hard or soft oils dry rapidly with excellent hardness and adhesion. Their resistance to water and alkalies is also very good.

ARCHITECTURAL FINISHES. Because of its ability to advance under heat, this resin should be used in rubbing varnishes, fast-drying varnishes, bar varnishes, and floor varnishes, and in small quantities wherever speed and hardness of dry are primary requisites. Hardness, durability, and gloss retention on exterior exposure are excellent and, if the extending resin consists of a rosin-derivative material, are directly proportional to the quantity of Durez 202 Resin used.

INDUSTRIAL FINISHES. This resin also has oil-bodying ability and makes varnishes using the slower drying oils. In cold-cut varnishes made with heat-bodied or blown oils, it is recommended for baking applications. These include electrical insulating varnishes in which the thin or thick varnish section becomes a thoroughly dry, rigid mass possessing excellent electrical properties.

SOLUBILITY. The resin is soluble in all common drying oils at 500° F. or above, and is compatible cold with oils when used in a dispersed solution as a solvent. An advantage of Durez 202 Resin is that only small quantities of driers are needed to relieve the surface tack from the film, since the oil is well polymerized before a film is ever brushed out.

FOR SAMPLES. Samples and further information will be furnished promptly on request. Durez Plastics & Chemicals, Inc., 1312 Walck Road, N. Tonawanda, New York.

PHYSICAL PROPERTIES OF DUREZ 202 RESIN

Melting Point	155° to 165° F. (Capillary Method)
Acid Number	30 to 35
Color	G to I
Refractive Index	1.602
Specific Gravity	1.060
Weight per gallon	8.83 lbs.

DUREZ . . . RESINS THAT FIT THE JOB

Protective Coatings Materials

Despite some sporadic price movement, notably in casein, certain natural resins and red and yellow technical mercury oxide, the protective coatings market last week was generally quiet.

Quotations on most prime pigments were firm, although a major producer of blue ultramarine announced a 1c. per pound increase, effective January 1. Manufacturers of red and yellow technical mercury oxide, on the other hand, dropped quotations 30c. per pound, while major suppliers of titanium dioxide announced advances of 1c. and ½c. per pound for pure and extended pigment grades, respectively. Earth colors were steady as the supply situation continued generally unchanged, with Persian Gulf and Spanish oxides still short, although more material was said to be available than formerly.

Most alkyd resins producers retained previous price schedules despite the recent advances of glycerin. A leading maker, however, announced increases ranging from 1c. to 4½c. per pound, depending on the grade. At the same time, a major producer of glycerol esters of both polymerized and hydrogenated rosin upped prices 1½c. per pound. A 2c. per pound advance was also listed by a major producer of maleic resins, while another polyethylene resins producer fell into line behind the recent 4½c. to 5c. per pound decrease of a leading manufacturer.

In the natural resins section, Singapore gums were stronger during the week, with 1c. and ½c. per pound advances quoted for Singapore No. 1 dammar and batu, bold grades. Lacquer materials were firm during the week. Demand was said to have fallen off for film scrap, while sebacate producers still reported difficulty in meeting current requirements.

Casein advanced 1c. and 1½c. per pound for the domestic and imported acid-precipitated products, respectively. Stearates were firm during the week, despite the continued strength of tallow. Linoleates were quiet and shellac, which was also steady, was reported scarce owing to the delay in shipments from the Calcutta market.

Market Trends

Prices Advanced

Animal drying oils, 3c. per lb.
Animal fatty acids, 1c. to 2¾c. per lb.
Casein, dom., acid-precip., 1c. per lb.
Imp., acid-precip., 1½c. per lb.
Gum, dammar, Singapore, No. 1, 1c. per lb.
Batu, bold, ½c. per lb.

Prices Reduced

Red, mercury oxide, tech., 30c. per lb.
Yellow, mercury oxide, tech., 30c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
182.2	182.2	181.0	162.9

(For Current Prices see Page 9)

Prime Pigments

Black, Acetylene—Unchanged market conditions continued to prevail for this pigment during the week, with prices firm at 12½c. per pound in bags, carloads, works, and 16c. to 18c. per pound in cases, less carlots, f.o.b. shipment point.

Blue, Ultramarine—Although quotations in this section were firm last week, it was announced that a 1c. per pound across-the-board increase would be effected on January 1. Despite the fact that demand was said to have fallen off in some quarters, it was reported that buying generally has continued at a good pace. Current market quotations are listed at 24c. to 28c. per pound for the cobalt type, dry or pulp, 13c. to 14c. per pound for the jobbing type, dry, and 18c. to 28c. per pound for regular types, dry or pulp. All prices are in barrels, delivered.

Green, Chrome C. P.—Primary production of this pigment in September, as reported by the Bureau of Census, amounted to 1,005,000 pounds, compared with 931,000 pounds during the preceding month and 1,121,000 pounds in September, 1946.

Red, Iron Oxides—Shortness of supply continued to keynote this section of the market last week, although better quantities of both Persian Gulf and Spanish oxides were said to be available. However, it was pointed out that the Spanish situation was still rather severe, although some minor easement was anticipated when an expected shipment in reasonable volume arrived. Imports during the week totaled 20 casks from Liverpool. Demand, meanwhile, continued intense, and many paint manufacturers were said to be using greater quantities of synthetic iron oxide than ever before, a development which although brought on by the scarcity of Spanish oxide has nevertheless produced good results.

Red, Mercury Oxide—Major producers of the technical grade of this material last week effected a 30c. per pound decrease in market quotations. Current prices follow: $2 per pound, barrels, 10,000 pounds, works, and $2.02 per pound, smaller lots, same basis.

Titanium Dioxide—Major producers last week announced price boosts of 1c. per pound for the pure grade and ½c. per pound for the barium, calcium and magnesium extended pigments, the increase to become effective December 1. General supply conditions, meanwhile, continued unchanged, with both pure and extended materials still confined to narrow stocks. With the slackening of paint operations during the winter months, however, it was expected that some improvement of supply conditions would develop. No major increase in supply was expected before the middle of next year.

Yellow and Orange, Chrome C. P.—Production of these pigments in September, as reported by the Bureau of Census, totaled 4,073,000 pounds, as against 3,424,000 pounds in August and 2,937,000 pounds in September, last year.

Yellow, Mercury Oxide—Major suppliers of the technical grade reduced prices 30c. per pound last week. Current market quotations follow: $1.99 per pound, barrels, 1,000 pounds and $1.95 per pound, smaller lots.

Fillers and Extenders

Calcium Carbonate—Imported last week were 1,000 bags of whiting from Hull. Market-wise, this material retained its previous position, with all factors steady.

Magnesium Silicate—Imports during the week totaled 17,602 bags from Genoa. Market conditions were stable and supplies continued on the short side as they have been for some time. Prices were firm.

Synthetic Resins

Alkyd Resins—Reflecting the recent upsurge of glycerin prices, a major producer of these materials last week boosted his price schedule on alkyds 1c. to 4½c. per pound, depending on the grade. Other resin manufacturers were expected to follow suit shortly, although as of last week previous quotations held firm. The apparent firmness of alkyd prices, however, was viewed as a temporary situation, due mainly to the fact that suppliers have not yet had enough time to calculate the full effect of glycerin advances on current resins listings. Supply conditions were generally said to be rather tight, with some producers of glyceryl phthalate oil-modified resins reporting considerable difficulty in coping with the intense demand. Phthalic anhydride, key obstacle to increased alkyd production, showed no improvement during the week and little hope was held out for an easement of the long-persisting shortage of this coaltar intermediate in the near future.

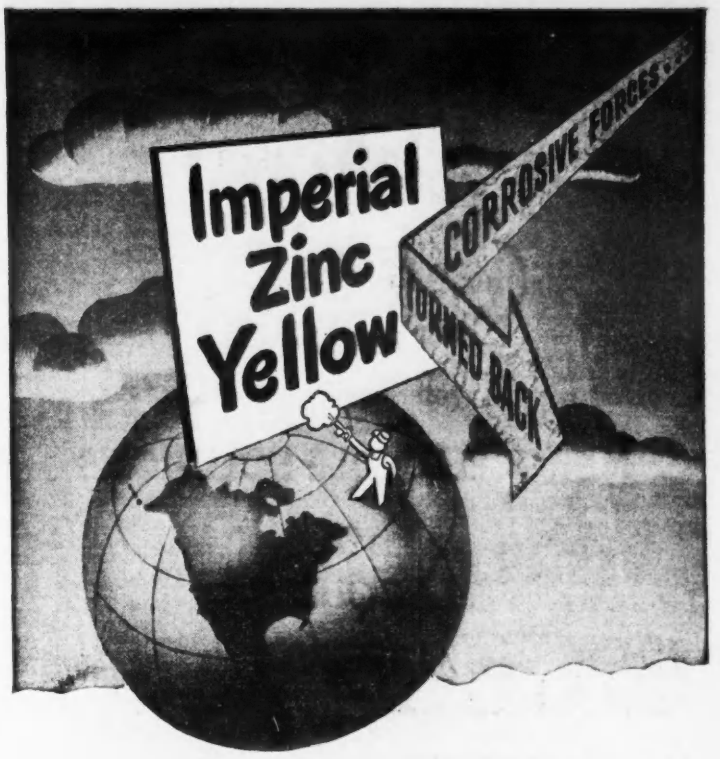
Ester Gums—A leading manufacturer of glycerol esters of polymerized rosin advanced the price on one grade of the material 1½c. per pound. At the same time, the same producer upped quotations on glycerol esters of hydrogenated rosin 1½c. per pound. Supply and demand remained on a par with previous weeks, as regular ester gums continued more or less in balance. Pentaerythritol esters were also reported in good supply, with producers making prompt shipments and all current requirements being met.

Maleic Resins—A major supplier of these materials last week effected a general increase of 2c. per pound on all grades. Other producers held fast at old quotations, although similar adjustments were expected soon elsewhere in the market. The continued shortage of maleic anhydride still kept rosin-modified, maleic-type varnish resins in short supply, although several resin manufacturers, favored with good maleic anhydride stocks, were able to meet most calls in volume on prompt shipment. Demand sustained its normal pace and buying remained active for maleic-modified pentaerythritol esters.

Melamine Resins—No appreciable change was noted in this section of the market during the past several weeks, with supply, demand and prices all holding to former levels.

Phenolic Resins—Good quantities of all types of these materials were reported last week, with continued easement of cresylic type stocks. It was pointed out, however, that the improvement of the cresylic type situation was due not to any appreciable increase in production, but rather to the

For Late Market Developments, See Page 4



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decrease in demand. Many producers were said to be using more and more alkyl-substituted phenolics instead of the cresylic types because of advantageous price and technical conditions. Supplies of rosin ester modified phenolics were said to be good, as market quotations on all types of phenolic resins held firm at previous levels.

Polyethylene Resins—A leading producer of these materials last week announced price decreases in line with the previous 4½c. to 5c. per pound reductions of another major manufacturer.

Natural Resins

Singapore gums exhibited some strength last week, as quotations on Singapore No. 1 dammar and batu, bold were upped 1c. and ½c. per pound, respectively. The Congo market was said to be quiet, and the same condition prevailed for elemi. Philippine copal gums last week were quoted at 27c. to 30c. per pound for first quality, 23c. to 27c. per pound for second quality resins and 20c. to 23c. per pound for third quality gums. Singapore dammars were listed at 28½c. to 30½c. per pound for the No. 1 grade and 24c. to 26c. per pound for the No. 2 gum. Batu, bold in bags sold at 11½c. to 13c. per pound, while batu, nubs were priced at 8½c. to 9½c. per pound. Imports last week totaled 653 bags and 222 baskets of copal gum from Manila, Matadi and Macassar. Arrivals of dammar gum from Singapore and Batavia during the week amounted to 910 bags and 300 cases.

Lacquer Materials

Film Scrap—Demand was reported to have slowed down considerably during the past month, as supplies continued abundant. With the market quiet, prices were firm at 14½c. per pound for the colored material and 15½c. per pound for the water-white product. Export inquiry was said to be good, but the dollar scarcity abroad has prevented the consummation of many sales. One firm reported an intense demand in China, but the lack of dollars in that country have held sales down to a trickle.

Sebacates—Prices were firm during the week for dibutyl, diethyl and dimethyl types, and sources in the market viewed the general price structure as firm through to the end of the year. Demand was said to be fairly strong, while the supply situation was still tight.

Miscellaneous Materials

Asbestos—Imports last week were registered at 44,474 bags from Lourenco, Marques, Capetown and Leningrad. Market quotations were firm following recent general advances.

Casein—With Argentine production operating at peak capacity, quotations on the imported, acid-precipitated material advanced 1½c. per pound. At the same time, the domestic product was up 1c. per pound. The advances were ascribed to increased buying interest, a development which has taken place during the past two weeks. Current market quotations follow:—domestic, acid-precipitated, 10,000 pounds or more, 31c. to 33c. per pound and imported, acid-precipitated, 100 bags or more, 29½c. to 30½c. per pound.

Glue—No change in the market condition of this marterial was noted during the period under review, as supply, demand and prices all held to levels of previous weeks. Imported during the week were 90 rolls, 117 bales, 130 bundles and 49 seroons of glue stock from Barranquilla, Ciudad Trujillo, Buenaventura and Havana.

Gypsum—Imported from Hull during the week were 400 bags of this material.

Linoleates—This section was quiet during the week, with prices firm and supply and demand retaining previous levels. There was some indication that some price movement might develop shortly, but, as of last week, old quotations prevailed.

Shellac—Scarcity developed in the local

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market due largely to the delay in shipments from the Calcutta market. Considerable activity was reported and prices were generally firm. Lemon No. 2 was quoted at 64c. to 66c. per pound. Imported last week were 167 cases of buttonlac from Bangkok.

Stearates—Following the recent 4c. per pound general increase on these materials, prices were steady last week. Tallow continued to show strength during the week, and it was felt in some quarters that another upward revision of tallow might necessitate a further increase.

Naval Stores

Gum rosin on the Savannah market last week was firm for the most part, with only slight increase listed for the higher grades. Grade WG rose 7c. per hundredweight and grades WW and X were up 6c. per hundred pounds. Other rosin grades were unchanged. Gum turpentine, at the same time, exhibited a down and up character during the week, dropping 1c. per gallon on Tuesday only to recover ¼c. per gallon by Friday for a net loss of ¾c. per gallon for the week.

Savannah, Nov. 28.—Following is a record of the turpentine market for the week:—

	Bulk, gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Monday	65	240	68	184	10,001
Tuesday	64	...	...	654	9,917
Wednesday	64½	...	61	...	10,008
Thursday		No Trading			
Friday	64¼	160	70	9	10,069

Savannah, Nov. 28.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted Mon.	Tues.	Wed.	Thurs.*	Fri.
B	$6.50	$6.50	$6.50	...	$6.50
D	7.75	7.75	7.75	...	7.75
E	8.00	8.00	8.00	...	8.00
F	8.75	8.75	8.75	...	8.75
G	9.06	9.06	9.06	...	9.06
H	9.06	9.06	9.06	...	9.06
I	9.06	9.06	9.06	...	9.06
K	9.06	9.06	9.06	...	9.06
M	9.06	9.06	9.06	...	9.06
N	9.06	9.06	9.06	...	9.06
WG	9.27	9.27	9.27	...	9.25
WW	9.26	9.40	9.40	...	9.42
X	9.36	9.40	9.40	...	9.42
	Barrels—				
Sales	80	100	100	...	100
Receipts	219	153	219	...	126
Shipments	...	36	...	...	...
Stocks	9,505	9,622	9,941	...	10,067

* No trading.

Louisville Paint Club Hears Pigments Discussion

The Louisville Paint and Varnish Production Club heard C. Donald Downs, of the Majestic Pigments Company, speak on the manufacture, characteristics and uses of synthetic iron oxide pigments at its November meeting, held at the Brown hotel, Louisville, Ky. Mr. Downs described the particle size, stability and hiding power of the various yellow, red, brown and black pigments and illustrated high points of the discussion with lantern slides.

The group voted to forward to its Belgian representative color chips and a description of the method used in the study of color tolerance so that similar work may be carried on in Belgium and France. Reports on the recent convention and paint show were presented by Arthur Stauderman, of the Schaefer Company, and Clarence Meyers, of the Jones Dabney Company.

Nuodex Issues Bulletin On Fishnet Preservatives

Nuodex Products Company, Elizabeth, N. J., has published a new bulletin entitled "Fishnet Preservatives," which is the report of a study conducted by representatives of the company. The publication contains photographs of exposed cordage used in the experiment and tables indicating the percentage of retained tensile strength after various exposures. It may be obtained free of charge from the company.

Morehouse to Direct Sales Of 'Hy-R-Speed' Mills

Morehouse Industries, Los Angeles, manufacturer of "Morehouse Hy-R-Speed Mills," has announced that it will handle all sales and service through its own sales organization in the future. The former national distributor, Hy-R-Speed, Inc., has been relieved of all further responsibility, and representatives of the manufacturer will commence to function immediately.

Berkshire Color Names P.A.

The Berkshire Color & Chemical Corporation, Springfield, Mass., has appointed Julius Goldman purchasing agent for the firm.

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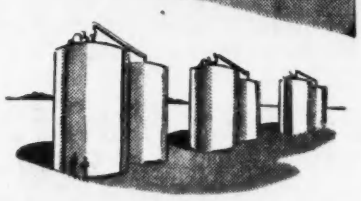

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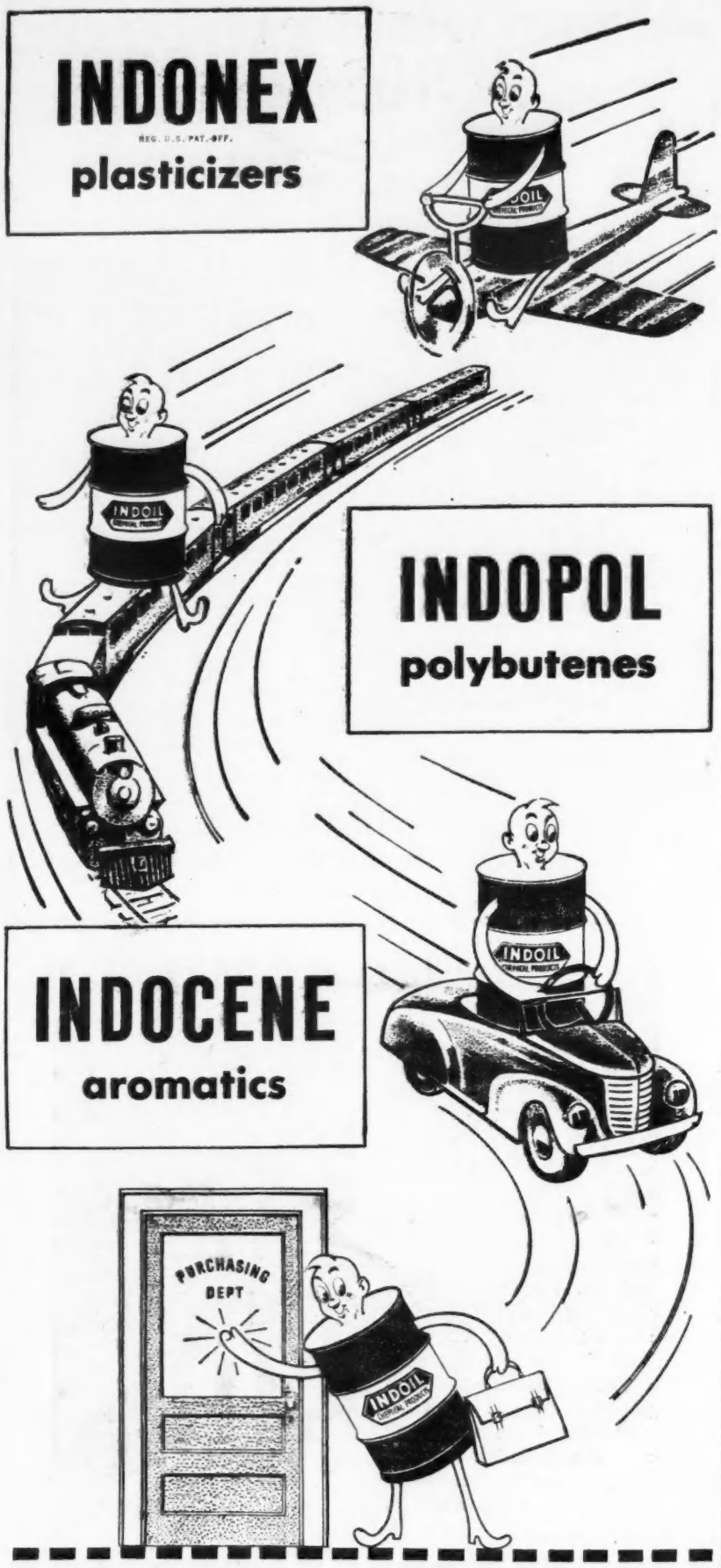
* NAPHTHENATES		SPECIFICATIONS	TYPICAL
Lead	24%	23.9 - 24.1	24.0
Cobalt	6%	5.9 - 6.1	6.0
Manganese	6%	5.9 - 6.1	6.0
Calcium	4%	3.9 - 4.1	4.0
Zinc	8%	7.9 - 8.1	8.0



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INDOIL CHEMICAL PRODUCTS

Silica Gel Plant Unit Bought by Davison Chem.

OPD Washington Bureau

A war-surplus building constructed by the government augment production at the silica gel plant of Davison Chemical Corporation, Baltimore, has been sold to Davison for $40,000 cash.

The purchase price is 71 percent of the appraised fair value of $56,000. The property has been under lease to Davison and has been used as a storage building since the output of silica gel dropped from 1,002,000 pounds annually in 1945, to 113,000 pounds for the year ended July, 1947.

Synthetic Resins

—Continued from page 35

T

TEGLAC 15, dms., c.l., frt. alld....lb. .26 - —
l.c.l., same basis.....lb. .26½ - —
127, c.l., frt. alld.....lb. .24½ - —
l.c.l., same basis.....lb. .25 - —
128, c.l., frt. alld.....lb. .23½ - —
l.c.l., same basis.....lb. .24 - —
Z-152, c.l., frt. alld.....lb. .23¾ - —
l.c.l., same basis.....lb. .27¼ - —
161, c.l., frt. alld.....lb. .23½ - —
l.c.l., same basis.....lb. .24 - —
164, c.l., frt. alld.....lb. .23½ - —
l.c.l., same basis.....lb. .24 - —

V

VANADIST resins, grade B, 240-275° F. m.p., whse..lb. .628 - .652
C, 315-340° F. m.p., whse.....lb. .621 - .650
D, 170-180° F. m.p., whse.....lb. .620 - .625
MR, 260-270° F. m.p., whse....lb. .624 - .650
pulverized, whse.....lb. .6850- .240
solution, whse.....lb. .4000- .650

VELSICOL, resins, AD-6-3, dms., c.l., f.o.b. works..lb. .15 - —
10 dms. up, works.....lb. .15½ - —
1-9 dms., works.....lb. .16 - —
AB-11-4, dms., c.l., works.....lb. .09¼ - —
l.c.l., dms., works.....lb. .09½ - —
Solutions, AD-660, tankcars, works, lb. .09¾ - —
dms., c.l., works.....lb. .11¼ - —
l.c.l., works.....lb. .11¾ - —
AD-670, tankcars, works.....lb. .11¼ - —
dms., c.l., works.....lb. .12¾ - —
l.c.l., works.....lb. .13¼ - —
AB-400, tankcars, works.....lb. .06¾ - —
dms., c.l., works.....lb. .08 - —
l.c.l., works.....lb. .08½ - —
Cost of non-returnable drums included in the above prices.

VINSOL resin, c.l., f.o.b. works....lb. .06 - —
1,000 lbs., same basis.....lb. .07 - —
500 lbs. to 950 lbs., same basis..lb. .07½ - —
less than 500 lbs., same basis..lb. .10 - —
Vinyl acetate resin, AYAB, lumps on filber drums at option of seller; AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi River, c.l. (30,000 lbs.)..lb. .40 - —
AYAB, AYAA, AYAF, AYAT, 2,000 to 29,999 lbs., same basis..lb. .43 - —
200 to 1,999 lbs., same basis....lb. .45 - —
1 to 199 lbs., same basis.....lb. .60 - —
AYAC, solid, fiber dms., at option of seller, c.l. (30,000 lbs.), f.o.b. cars South Charleston, W. Va.....lb. .43 - —
2,000-29,999 lbs., same basis....lb. .45 - —
AYAC, 200-1,999 lbs., same basis..lb. .47 - —
1-199 lbs., same basis.....lb. .62 - —
Butyral resins, XYSG, XYHM, XYHL, granular, 90 to 97% solids, prices based on contained solids (in paper bags at option of sellers).
30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l..lb. .82 - —
10,000 to 29,999 lbs., same basis..lb. .83 - —
200 to 9,999 lbs., same basis....lb. .84 - —
1 to 199 lbs., same basis.....lb. 1.00 - —
Vinyl chloride-acetate, VYLF, VYHH, VYNW, VYNU, VYDR, VYNV, VYNY, VYNL, powdered, c.l. (30,000 lbs.), paper bgs., f.o.b. cars, South Charleston, W. Va..lb. .33 - —
10,000 to 29,999 lbs., same basis lb. .34 - —
200 to 9,999 lbs., same basis....lb. .35 - —
1 to 199 lbs., same basis.....lb. .51 - —
VYNS, c.l. (30,000 lbs.), paper bgs., same basis..lb. .44 - —
10,000 to 29,999 lbs., same basis.lb. .45 - —
200 to 9,999 lbs., same basis....lb. .46 - —
1 to 199 lbs., same basis.....lb. .62 - —
VYCM, powd., c.l., (30,000 lbs.), paper bgs., f.o.b. cars South Charleston, W. Va..lb. .38 - —
10,000-29,999 lbs., same basis....lb. .39 - —
200-9,999 lbs., same basis.....lb. .40 - —
1-199 lbs., same basis.....lb. .56 - —
VMCH, c.l. (30,000 lbs.), same basis, lb. .39 - —
10,000 to 29,999 lbs., same basis..lb. .40 - —
200 to 9,999 lbs., same basis....lb. .41 - —
1 to 199 lbs., same basis.....lb. .57 - —

VINYLITE resin, AYAF, 35% by weight, solution in acetone, same basis.
A-35, drum lots, same basis....gal. 2.10 - —
less than drum lots, same basis.gal 2.50 - —
Modified vinyl acetate resin, 24.5% by weight, solution in toluene, same basis.
T-24-9, 20-dm. lots, same basis..gal. 2.00 - —
drum lots, same basis.....gal. 2.35 - —
less than drum lots, same basis.gal. 2.50 - —
Modified vinyl acetate resin, 28% by weight, solution in 82% methyl acetate, same basis.
MA-28-14, 20-dm. lots, same basis, gal. 2.15 - —
drum lots, same basis.....gal. 2.40 - —
less drum lots, same basis...gal. 2.65 - —
MA-28-18, 20-dm. lots, same basis.. gal. 2.15 - —
drum lots, same basis.....gal. 2.40 - —
less than drum lots, same basis, gal. 2.65 - —
VINYLSEAL, vinylite resin AYAB, 69-72% by weight, solution in acetone, non-ref. dms., ex 5-gal. carboys, f.o.b. South Charleston, W. Va.
A-70, drum lots, same basis....gal. 2.75 - —
less than drum lots, same basis.. gal. 3.00 - —

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Obituaries

Howard A. Glenn

Howard A. Glenn, president of Standard Bitulithic Company, New York, died November 26 at his home in West Orange, N. J. He was fifty-three years old. Mr. Glenn had been with the company for the past ten years.

Sidney N. Peters, jr.

Sidney N. Peters jr., vice-president and director of the Lawrence Portland Cement Company, New York, died November 23 at his home in Summit, N. J. He was thirty-nine years old. Mr. Peters joined the cement company at its Thomastown, Mass., office in 1927, and at the time of his death was in charge of its commercial activities.

Raymond C. Siltz, assistant superintendent of the Charles R. Long jr. Company, paint manufacturer, Louisville, Ky., died recently at his home in New Albany, Ind. He was forty-five years old.

Henry J. Warth, head of the plant protection department of the Aluminum Company of America's plant at Garwood, N. J., died November 25 at Elizabeth General hospital, Elizabeth, N. J. He was fifty-five years old.

N.Y. Textile Chemists To Meet December 5

Nominations for the election of councilors for the year 1948 will take place at the meeting of the New York section of the American Association of Textile Chemists and Colorists to be held at Kohlers Swiss Chalet, Rochelle Park, N. J., on December 5. Included on the program for the meeting will be the following technical papers:

"Dyeing and Fastness Characteristics of Aqueous Chlorinated Wool"; "A Study of Nylon Dyeing: Effect of Dyeing Procedures," by Louis I. Fidell, George L. Royer and Henry E. Millson, Calco Chemical Division, American Cyanamid Company, and "Evaluation of Detergents for Wool Scouring Processes, Laboratory Method," by E. A. Leonard and A. R. Winch, Alexander Smith & Sons Carpet Company.

Saran Lined Pipe Co. Formed

The Saran Lined Pipe Company has been formed to act as exclusive distributors for the Dow Chemical Company's line of specialty pipe and fittings. S. H. Blackmore has been appointed sales manager of the new company, with headquarters in Detroit. Mr. Blackmore said the pipe and fittings are now in production at Dow's Midland, Mich., plant and are immediately available.

German Coaltar Advances Described in New Report

OPD Washington Bureau

German technical advances before and during World War II in the manufacture of synthetic materials from by-products of the high-temperature carbonization of caking bituminous coal are described in a new publication released by the Bureau of Mines. It describes a continuous tar still of unusual design which is said to offer several advantages over batch stills.

Also described are changes in equipment design necessitated by an increased demand for hard pitch, and improvements in pitch-cooling equipment, anthracene recovery equipment and tar-acid extracting equipment. A copy of information circular 7409, "German High Temperature Coaltar Industry," may be obtained by writing to the Bureau of Mines, Publications Section, 4800 Forbes Street, Pittsburgh 13, Pa.

Uranium Prospecting In Belgian Congo Planned

The Union Miniere, a mining company in the Belgian Congo, has budgeted 20,000,000 francs for prospecting for new uranium deposits, according to Aneta news agency. The report states that there is no evidence to show that this prospecting will be successful or that uranium deposits in the Belgian Congo are as numerous and as important as has been reported.

Nuodex Of Canada Awards Fellowship

Nuodex Products Company, Elizabeth, N. J., has announced that the $1,000 Nuodex Fellowship sponsored by its Canadian affiliate, Nuodex Products of Canada, Ltd., has been awarded to David Down, of the University of British Columbia. Work under the fellowship will be carried on under the general subject of "The Mechanism of the Drying of Oils."

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	SPECIFICATIONS Max.	Min.	Typical Analysis
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Refractive Index at 20°C	1.478	1.465	1.466
Unpolymerized Residue (38N-H_2SO_4)	2.0%	.....	0.8%
Distillation:			
Initial Boiling Point	160°C	150°C	154°C
Distilling below 170°C	.....	90%	95%

Properties

Flash Point: Approximately 98°F (Tag open cup).

Optical Rotation: Above + 25°.

Solvent Power: (Kauri Butanol): Approximately 57 ml.
(Aniline Point): Approximately 18°C.
(Mixed Aniline Point): Approximately 44°C.

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NEW ISSUE November 18, 1947

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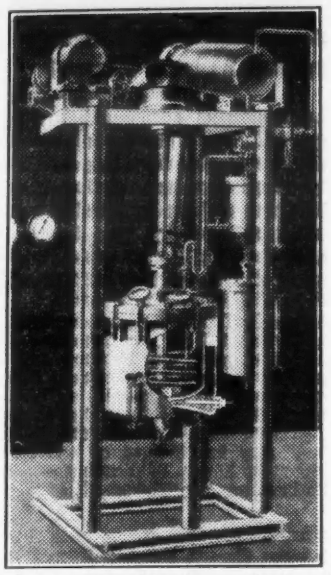
Dallas—Houston—Wichita

Blaw-Knox Develops New Pilot Plant

Blaw-Knox Company, Pittsburgh, has developed a fifteen gallon electro-vapor pilot plant for use by manufacturers of resins, plastics, paints and allied products which it



regards as appropriate for production development and for laboratory investigation.

Included in the pilot plant are a fifteen gallon kettle, vapor pipe, reflux and takeoff condenser, condensate piping, condensate decanter, condensate receiver, steam jet ejector and auxiliary equipment. All materials of construction having contact with the charge, its vapors, or the condensate are of types highly resistant to corrosion. The reaction vessel is designed for any pressure from full vacuum up to 150 pounds.

Heat is applied to the vessel by means of the jacket, which is arranged for heating by the electro-vapor principle for high temperature reactions, or for direct admission of steam for the low temperature reactions. Any steam pressure up to 150 p.s.i. can be used.

N.Y. Paint Technicians Xmas Party December 16

The annual Christmas party of the New York Paint and Varnish Production Club will be held at the Building Trades Employers' Association building, 2 Park avenue, on Tuesday, December 16. Reservations will be limited and there will be no sale of tickets at the door.

Penna. Salt Renames Cement

Pennsylvania Salt Manufacturing Company, Philadelphia, has changed the name of its "Asplit F" cement to "Pennsalt HF" cement. The company explained that the new name is more in conformity with its other products, with the "HF" part denoting the cement's resistance to hydrofluoric acid in all strengths.

Casein Company Plans National Distribution of New Glue

National distribution is expected shortly for "Cascorez," new household glue manufactured by the Casein Company of America, a division of The Borden Company. The glue is a modern synthetic resin product in liquid form. It is recommended for all porous or semi-porous materials. On paper and other porous or semi-porous materials, "Cascorez" will dry almost instantly, and it will set within thirty minutes on rock maple, according to the company.

Asbestos Output in Canada Up 3,000 Tons in July

Asbestos shipments from Canadian mines totaled 53,434 tons in July, against 50,102 in June and 45,735 in July, 1946, according to the Dominion Bureau of Statistics. The seven-month total of shipments was 367,511 tons, compared with 295,951 tons in the like period of 1946. Exports of asbestos in July amounted to 46,597 tons, or 87 percent of the output. Exports for the first seven months were 355,951, or 97 percent of the shipments from the mines.

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AGENTS AND STOCKS IN PRINCIPAL CITIES

Oils, Fats and Waxes

Further price advances featured the oils and fats market last week, but the upward momentum was temporarily checked by the heavy liquidation in bleachable cottonseed oil futures which caused crude cottonseed oil to decline 1 cent per pound early in the period. Competing oils, however, were not affected and higher prices were maintained for corn, coconut, peanut and soybean oils. Active demand for soybean oil for domestic use and export lifted quotations 1 cent for prompt and 2c. for futures. Scarcity of crude coconut oil for prompt and nearby delivery lifted the market about 2 cents per pound. Copra also was firmer and shipments were increased $10 per ton. Tallow and grease were advanced and considerable business was reported transacted throughout the country at the higher level. Soapmakers' bids were in the market for additional supplies at the advance, but offerings were materially reduced late in the week. Recent heavy trading was reported in lard for the soap kettle, but interest diminished at the higher lard prices last week. Fatty acids were advanced owing to the higher cost of basic oils, tallow and grease. Red oil and stearic acid were lifted 1c. and coconut, corn, cottonseed and soybean oil fatty acids 2 cents per pound. Higher cost of flaxseed resulted in an advance of 2½ cents per pound for raw linseed oil. Crushers were reported sold up for December and January delivery and quotations for these positions were merely nominal. February-June were offered, with a fair volume of business transacted for the first half of the year requirements.

Market Trends

Prices Advanced

Carnauba wax, 2c. per lb.
Coconut fatty acid, 2c. per lb.
Copra, $10 per ton.
Corn oil, fatty acid, 2c. per lb.
oil, 2c. per lb.
Cottonseed, fatty acid, 2c. per lb.
Flaxseed, 20c. per bushel.
Grease, 1c. per lb.
Lard, 1c. per lb.
Linseed oil, 2½c. per lb.
Oleostearin, 1c. per lb.
Peanut oil, 1c. per lb.
Red oil, 1c. per lb.
fatty acid, 2c. per lb.
Soybean oil, 1c. to 2c. per lb.
Stearic acid, 1c. per lb.
Tallow, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
260.8	253.6	230.3	285.6

(For Current Prices see Page 9)

Cottonseed Oil

Trading in bleachable cottonseed oil futures continued active last week. Market was irregular, scoring sharp declines under heavy liquidation which uncovered stop loss orders early in the period. Later the market rallied and recovered most of the decline, reflecting the steady demand for crude oil for prompt and nearby shipment. Crude oil sold early in the week at 29c. and later declined to 28c. at which level buying interest was resumed. Sales and bids at this figure were reported for November-January shipment in the Valley and Southwest.

Export allocation of 2,000,000 pounds of cottonseed to Mexico for planting purposes was authorized by the Department of Agriculture last week for commercial procurement.

Cottonseed crushings by United States mills during the 1946-47 season totaled 3,089,590 tons, the lowest since the season ended in 1922, when 3,007,717 tons were crushed. Crushing for 1945-46 totaled 3,261,915 tons. The 10-year average is 4,241,000 tons, according to the Census Bureau.

Memphis—Good demand continued for crude cottonseed oil. Sales were made at 28c. per pound, tankcars, November-January shipment. Crude soybean oil quoted at 27½c. to 28c., Memphis, December-January. Cottonseed hulls in urgent request and held at $18, per ton bulk and $24 sacked. Cottonseed meal, 41 percent quoted at $96.50 per ton, Memphis, for December, and $93.50, January, basis, Memphis. Mills well sold ahead and not pressing sales. Cotton picking about completed.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended November 28, follow:—

	Sales	Cents per pound—High	Low	Close
December	11	33.00	32.00	32.50@33.00
January	...	....	....	31.00@32.80
March	232	38.00	28.20	29.42S
May	289	29.00	27.45	28.40@28.65
July	115	28.50	26.90	27.75@27.90
September	13	26.75	26.14	25.70@26.00
October	4	25.30	25.00	25.15@26.00

Total sales—664 tankcars.

Crude oil was sold at 28c. per pound, tankcars, f.o.b. mills, in the belt and generally bid at this figure.

Linseed Oil

Market was firmer with the advance of 20c. per bushel in flaxseed and raw linseed oil was sharply raised—2½c. per pound by crushers last week. Quotations were entirely nominal for November-January delivery, owing to the scarcity of supplies and were quoted at 33.60c. per pound, tankcars, while crushers were generally offering February-June delivery at 32.60. Consuming inquiry was moderate for the first half of next year's requirements and a fair volume of business was reported at 31.60c. per pound, tankcars before the second boost was announced.

Flaxseed acreage goal for 1948 was unchanged from 1947 and placed at 4,300,000 acres by the Department of Agriculture.

Third official Canadian flaxseed estimate was slightly less than the previous forecast. Acreage was indicated at 1,472,300, yield 7.8 bushels per acre and production at 11,540,800 bushels. Visible flaxseed stocks at elevators or in transit totaled 8,090,440 bushels against 4,410,300 bushels a year ago.

Minneapolis—Buyers were avid for supplies, an advance of 3/5c. a pound in tankcars during the week bringing a rush of orders and new inquiries, even from those buyers who indicated that they had their needs well in hand. Local crushers advanced price on November-December oil to 32.1c. per pound in tanks, lifted January quotations—which were at 29.6c. per pound—to 31.6c., and quoted February forward at 31.1c. per pound. There was little or no oil for sale for January and February, and the bulk of the business during the week was for March-June. All classes of buyers were in the market, paint, linoleum and specialty manufacturers scrambling for the rather limited supplies available. Many of the mills were not aggressive in their oil sales policy, most of them trying to care for old customers. Production was at a high level and shipments were above average as the car situation cleared up somewhat. Production held at a high level as mills were running full tilt.

Shipments of linseed oil, in pounds, were as follows:—

	1947-48	1946-47
This week	8,040,000	6,300,000
Since Sept. 1	88,720,000	79,340,000

Flaxseed—Market was stronger and advanced to $7. per bushel, Midwest.

Minneapolis—An advance of 20c. in the price of cash flaxseed during the week failed to bring any increase in offerings from the country and stocks held in local elevators, which are quite comfortable, failed to move into commercial channels as seed went to $7 a bushel. Crushers, though they are reputed to have fairly heavy stocks of flax on hand, but are bidding strongly for further offerings. Bids for delivery at some later date were also held at $7 a bushel, but indications were that producers were not particularly intrigued by the bids.

Shipments of flaxseed in bushels were as follows:—

Bushels—	Receipts— 1947-48	1946-47	Shipments— 1947-48	1946-47
This week	351,900	217,600	73,100	268,100
Since Sept. 1	15,954,400	8,212,400	2,206,900	3,475,200

Other Vegetable Oils

Castor, Dehydrated — Steady demand mainly for moderate quantities reported for prompt delivery. Market was fairly steady and unchanged.

Coconut—Scarcity of offerings for prompt and nearby delivery featured this market. Crude oil was quoted nominally at 26c. per pound, tankcars, December shipment, January 25c., and February-March, 23c., f.o.b. Pacific coast. Trading was quiet and market steady. Copra market was firmer and shipments were scanty and advanced to $270 per short ton, c.i.f. Pacific coast. Complete rehabilitation of Borneo copra production is expected to take from 10 to 12 years, while a slight increase from the present production may be hoped for during the next six years, it was reported by the news agency Aneta. Compared with prewar exports of 75,000 tons of copra from Borneo, the copra fund was able to buy only 4,300 tons in 1946 and 8,800 tons in the first half of this year. The upward trend of copra production is shown, however, in the following figures of monthly copra fund purchases in 1947: April 467 tons, June 961 tons, August 1,833 tons and October 2,602 tons.

Corn—Crude oil was scarce and firm. Sales were reported at 30c. per pound, tankcars f.o.b. mills, with sellers holding for 31c., same basis. Refined oil was scanty and merely nominal at 35c. per pound, tankcars, mills.

Oiticica—Trading continued spotty and restricted to small quantities for prompt delivery. Prices were unchanged and steady.

Olive—Increased offers of edible oil from Greece were received at a wide range of prices last week. There was little interest in replacements and the market continued entirely nominal. Light stocks of Spanish

For Late Market Developments, See Page 4

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oil were held at $6.10 to $6.20 per gallon, drums, duty paid and Moroccan oil at about $5.50, same basis.

Palmkernel Oil—Department of Agriculture authorized the exchange of 2,200,000 pounds of edible palmkernel oil in from the United Kingdom for an equal quantity of soybean oil last week.

Peanut—Sales of crude oil were made at 31c. per pound, tankcars, f.o.b. mills early in the week, but interest in the market was reduced with the decline in cottonseed oil. Refined oil was scarce and was not quoted.

Soybean—Sales in crude oil were active early in the week and were transacted at 1c. per pound higher. December was sold and bid at 28c. per pound, tankcars, f.o.b. mills, January, at 27c. and February-March at 26c. Business was also reported at 23½c. for April-June and 22½c. for July-September, same basis. Refined oil was quoted nominally at 31c. to 32c. per pound, tankcars, New York basis. CCC requested offers of 2,200,000 pounds of hydrogenated edible soybean oil last week for shipment during December and January. Bids were closed 11 a.m. last Friday.

Export allocations for 3,300,000 pounds of soybean oil to France for commercial procurement was authorized by the Department of Agriculture last week. A previous allocation of an equal quantity of fish oil was cancelled. Purchases of 15 tankcars of crude soybean oil were reported by the Department of Agriculture at 20½c. per pound; 15 tankcars of refined at 22½c., and 10 tankcars of once refined at 23c., f.o.b. New York, November 12, and 10 tankcars of crude oil at 26c., f.o.b. Decatur, November 18.

October production of crude soybean oil showed an increase while the refined oil decreased slightly from September, according to preliminary figures released by the Bureau of the Census. Production of crude soybean oil was reported at 107,000,000 pounds, 17 percent more than the output in September and 8 percent more than October of last year. Factory and warehouse stocks, amounted to 80,600,000 pounds, remained at approximately the same level as in September but were 29 percent less than October, 1946. The tremendous increase of October over September stocks of soybeans at oil mills reflects their movement to the crushing mills and the beginning of the crushing season. Production of refined soybean oil totaled 88,000,000 pounds, 1 percent less than for September and 2 percent more than October, 1946. Stocks at the end of the month decreased to 77,000,000 pounds, 38 percent below stocks at the end of September and 36 percent above October of last year.

Prices of refined bleachable soybean oil, in tankcars on the N. Y. Produce Exchange for the week ended November 28, follow:—

	Sales	High	Low	Close
		——Cents per pound——		
December	..	..	..	27B
January	..	..	..	27B
March	..	..	..	25.75B
May	..	..	..	25.25B
July	..	..	..	26.75A
September	..	..	..	26N
October	..	..	..	26N

Total sales—None.

Fats and Greases

Grease—Market was firm at the recent advance of 1c. per pound. Trading was moderate at the higher levels. Offerings of the lower grades were more liberal and were firmly held at the advance. Choice white was quoted at 27c. per pound, loose, yellow at 25½c. and house at 25c., same basis.

Lard—Trading was reported fairly active in cash lard early, but interest slackened later when futures broke sharply.

Tallow—Large consumers increased bids 1c. per pound for all grades and trading was reported active at producing points in the East and West. Fancy was sold at 27c. per pound, loose, extra at 26¾c., and special at 26½c., same basis. Producers were sold ahead and small buyers made purchases ½c. above these levels.

Animal Oils

Grease Oil—Higher cost for basis materials created a firmer tone in this market. No. 1 was quoted at 32½c. to 33½c. per pound, extra, winter strained, 33c. to 34c. and prime burning, 35½c. to 36½c. depending upon quantity and seller.

Oleo Oil—This market was strong and extra oil was held at 32c. per pound, tierces. Trading was spotty.

Oleo Stearine—Offerings were scarce and the market firmer. Prices were higher and nominal at 29½c. per pound, tierces.

Tallow Oil—Market was unchanged and firm. Acidless was quoted nominally at 32½c. per pound, drums.

Fish Oils

Department of Agriculture announced the cancellation of the export allocation for 2,000,000 pounds of fish oil to France last week, substituting an equal quantity of soybean oil. The department allocated 200,000 pounds of fish oil to Philippines in exchange for the same quantity of copra (in terms of oil).

Cod—Market continued firm owing to small stocks on the spot and scarcity of offerings from Newfoundland. Prices were merely nominal at 22c. to 24c. per pound, drums, according to delivery.

Sardine—Firmness in crude and competing oils created a stronger tone in this market. Refined oil quotations were unchanged and firm. Trading was moderate, mainly for prompt needs.

Los Angeles—A very poor catch this year, and landings below normal last week contributed to a price increase of 3c. per pound for sardine oil. Oil was quoted at 24c. per pound. California Sardine Products Institute reported 90,886 tons landed to November 13, compared with 124,047 tons November 14, last year.

Whale—The price of the whale oil yield of last season's catch by the Dutch whaler Willem Barendsz has been set at 1,030 guilders (about $377) per ton for the best quality after prolonged negotiations with the Netherlands government, it was reported by the news agency Aneta.

Fatty Acids

Increased costs of vegetable oils, tallow and grease were reflected in fatty acids and prices were sharply boosted for corn, cottonseed, soybean fatty acids to 29½c. per pound, tankcars, and 30¾c. drums, carlots. Coconut fatty acid was advanced to 32½c. in tankcars and 33¾c. drums, carlots.

Red Oil—Higher cost of basic materials and scarcity of offerings, coupled with active demand further advanced this market last week. Producers raised quotations 1c. to 2c. per pound, according to seller. Production was sold well ahead and suppliers restricted sales to regular customers. Single distilled was quoted at 30½c. tankcars, and 31¾c. drums, carlots; double, 33c. tankcars and 34¼c. drums, carlots. Export allocation of 200,000 pounds of fatty acids was authorized to Switzerland and a previous allocation of the same quantity of oleic acid was cancelled by the Department of Agriculture last week.

Stearic Acid—Prices were raised 1c. to 2c. per pound, according to seller last week. Increased cost of tallow and grease and active consuming demand, which was not covered because of the sold up production, strengthened the market. Single pressed was quoted at 36½c. per pound, bags carlots; double, 37c., and triple pressed, 39¼c. Lesser quantities were ranged from ½c. to 1c. higher.

Cake and Meal

Cottonseed Meal—Market strong, demand greatly improved. Last trades in volume were at $90 per ton, f.o.b. Southeast. Most mills withdrawn, reported well sold up. S. C. mills have refused $92 for sacked 41 percent. Sales were made for 36 percent at $81 and $82, f.o.b. North Carolina mills.

Linseed Meal—Demand for meal improved. Market stronger and prices advanced.

Minneapolis—Demand for meal was quite brisk and prices were advanced $2 to $85 per ton for November-December and $83 for January. Mills were not aggressive sellers but found plenty of outlet. Instructions were brisk and meal shipments were at record levels.

Shipments of linseed meal, in pounds, were as follows:—

	1947-48	1946-47
This week	11,700,000	7,800,000
Since Sept. 1	138,720,000	101,020,000

Peanut Meal—Production sharply off in October—only 4,000 tons produced compared to 6,500 in October, 1946. November is also expected to be less than a year ago due to small amount peanuts being sold for crushing. Market firmer, along with advances in cottonseed and soybean meals. Sales sacked 45 percent recently reported at $92 for prompt December, and at $90 for January, February and March.

Soybean Meal—Sacked 45 percent was sold at $95 for December-January, f.o.b. North Carolina mills. Albama and Georgia mills asking $93 to $94, sacked basis.

Waxes

Beeswax—This market remained steady with the firmness in crude replacements. Trading was dull last week and prices were well held and without change.

Canedilla—Trading was light and chiefly for small lots for actual needs. Quotations were unchanged.

Carnauba—Limited supplies on the spot and for prompt delivery coupled with the firmer market in Brazil stiffened the local situation and prices were higher. Offerings for shipment from Brazil were practically nil and shipments were firm at recent advances. Chalky, No. 3, was quoted at 74c. to 76c. per pound, on the spot; North country, No. 2, was nominal at 80c.; North country, No. 3, 77c. to 79c., and refined 81c. to 83c. as to seller.

Japan—Consuming inquiry was slow and the market was entirely nominal at 55c. to 57c. per pound, on the spot, as to quantity.

South African Export Permit Rules Announced

OPD Washington Bureau

The government of the Union of South Africa has issued a consolidated list of items which require export permits from the minister of economic development before they may be shipped from the Union. The commodities covered are still in short supply in South Africa.

Included on the list are fertilizers; industrial chemicals such as nicotine sulphate, red and white lead, litharge, sodium carbonate and sodium hydroxide; soaps and oils, including candles, glycerin, glycol, paraffin wax and polishes, and all fats and oils.

Northatlantic Trawling Company Formed in Newfoundland

The Northatlantic Trawling Company has been formed by an affiliation of the Atlantic Coast Fisheries Company and the Job Brothers Company, of St. John's, Newfoundland. The new organization will operate two of the Atlantic Coast Fisheries Company's trawlers out of Newfoundland ports.

Corn Products Promotes Dean

W. N. Dean, formerly manager of personnel for the Corn Products Refining Company, has been appointed assistant treasurer of the company. He has been with Corn Products since 1910.

Trade Briefs

California Ink Company has awarded a contract for the construction of a new two-story brick warehouse in Los Angeles.

Whelan Drug Company has obtained leases for three drug store locations in the new "Stuyvesant Town" housing development in New York City.

Avery Adhesives has awarded a contract for the construction of a new factory building in Monrovia, Calif. The structure will contain 17,800 square feet of floor space and is expected to cost approximately $80,000.

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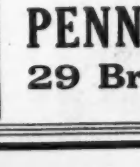
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Oils, Fats Production, Consumption: October

The preliminary statistics of the factory production and consumption of animal and vegetable fats and oils for October, 1947, as compiled by the Bureau of Census, follow:—

Vegetable Oils

	Pounds—Production	Pounds—Consumption
Babassu, crude	[2]	2,471,000
Refined	1,282,000	1,014,000
Castor, No. 1, crude	7,803,000	6,824,000
No. 3, crude	2,250,000	2,072,000
Dehydrated	3,547,000	2,904,000
Sulphonated	.....	313,000
Chinawood or tung oil	.....	9,572,000
Coconut, crude	59,898,000	78,928,000
Refined	35,388,000	29,828,000
Corn, crude	20,860,000	22,313,000
Refined	19,391,000	5,350,000
Cottonseed, crude	197,854,000	154,089,000
Refined	144,981,000	119,107,000
Linseed	39,564,000	44,8[illegible]0,000
Olive, edible	[2]	3[illegible],000
Inedible	.....	9,[illegible]00
Sulphur oil or olive foots	.....	8[illegible],000
Oiticica	.....	674,000
Palm, crude	.....	3,7[illegible],000
Refined	.....	2 7,000
Peanut, crude[1]	4,272,000	5,081,000
Refined	4,587,000	4,87[illegible],000
Rapeseed	[2]	8[illegible],000
Sesame	.....	[illegible]1,000
Soybean, crude	*167,6[illegible]2,000	95,2[illegible]87,000
Refined	88,413,000	141,9[illegible]3,000
All other	3,297,000	1,614,000

Animal Oils

Lard, rendered (including neutral lard and rendered pork fats)	118,231,000	10,183,000
Neatsfoot oil	278,000	307,000
Tallow, edible	7,816,000	5,929,000
Inedible	95,234,000	136,129,000

Fish and Marine Mammal Oils[3]

Cod	99,000	870,000
Codliver	7,000	1,377,000
Marine mammal	.....	706,000
Other fish	[4]19,408,000	19,550,000
Other liver	375,000	426,000

Greases

Greases (including garbage and house), other than wool	44,356,000	53,329,000
Wool grease	1,928,000	1,862,000

Secondary Products

Animal fats and oil fatty acids[5]	14,301,000	13,929,000
Animal foots, 100% basis	2,743,000	2,983,000
Fish and marine mammal fatty acids	3,439,000	691,000
Grease and lard oil	3,335,000	3,141,000
Oleo oil	4,063,000	663,000
Red oil or oleic acid	6,835,000	5,302,000
Stearic acid	5,606,000	5,170,000
Foots, from fish and marine mammal oil (100% basis)	[6]	552,000
Stearin, animal, edible	3,106,000	2,686,000
Inedible	2,149,000	1,655,000
Stearin, vegetable, oil, winter	8,424,000	10,274,000
Tallow oil	1,123,000	935,000
Vegetable oil fatty acids from foots and other than from foods including fatty acids from tall oil, palm oil, reuse, etc	9,005,000	8,718,000

Other Products

Glycerin, chemically pure (100% basis)	9,357,000	7,770,000
crude oil (100% basis)	20,689,000	18,817,000
high gravity and yellow distilled (100% basis)	8,202,000	8,146,000
Hydrogenated oils, edible	136,390,000	130,714,000
Inedible	20,993,000	21,975,000
Shortening	159,623,000	556,000
Winterized vegetable oils	45,259,000	.....

[1] Data on production collected by Bureau of Agricultural Economics; stocks held by crude peanut oil producers also reported by Bureau of Agricultural Economics, whereas those held at refineries are collected by the Bureau of the Census.
[2] Included in "all other" vegetable oils to avoid disclosures of operation of individual establishments.
[3] Fish and Wildlife Service collected the data from fish oil producers.
[4] Includes 5,455,000 pounds of menhaden oil and 13,663,000 pounds of herring, sardine and pilchard.
[5] Includes 10,059,000 pounds of menhaden oil and 10,663,000 pounds of herring, sardine and pilchard.
[6] Not shown to avoid disclosure of individual operations.
[7] Monthly data beginning January, 1947, are not comparable with those shown previously, due to the fact that three soap producing plants previously reporting fat splitting and production and consumption of fatty acids in soap are now reporting the consumption of animal fats, such as inedible tallow, in the manufacture of soap.
* Revised.

Raw Materials Used

	Tons—Consumption	Tons—Stocks Oct. 31
Babassu	[1]	.....
Castor beans	10,883	9,544
Copra	46,232	22,984
Corn germs	27,205	934
Cottonseed	647,248	1,457,739
Flaxseed	85,435	190,065
Soybeans	*341,538	*1,022,718
Peanuts[2]—		
Farmer's stock[3]	2,906	253,416
No. 2 and oil stock[4]	4,017	5,840
Other	4,840	1,173

[1] Included in other seeds.
[2] Bureau of Agricultural Economics collected the data on consumption and stocks of peanuts.
[3] Weights shown for peanuts in shell. Stocks figures include quantities held for making peanut butter, candy, and for other uses, as well as for crushing.
[4] Weights shown for shelled peanuts. Stocks figures include quantities held at all commercial locations, principally for crushing into oil and meal.
* Revised.

Ferro Chemical Publishes 'Black Magic' Booklet

Ferro Chemical Corporation, Cleveland, has published a new sixteen-page bulletin containing practical information to aid the paint formulator in selecting the proper matallic soap concentrations to minimize the loss of drying power in black paints and enamels.

The publication, technical bulletin No. 18, entitled "Black Magic," may be obtained by wrting the company at Cleveland, Ohio.

Wolfrom Heads ACS Sugar Chemistry Division

Prof. Melville L. Wolfrom, of Ohio State University, has been elected chairman of the division of sugar chemistry and technology of the American Chemical Society. Professor Wolfrom succeeds Dr. Wendell W. Moyer of the Crown Zellerbach Corporation, Campas, Wash.

Other officers chosen by the division are: W. W. Pigman of the Institute of Paper Chemistry, Appleton, Wis., vice-chairman, and J. M. Brown of the Revere Sugar Refinery, Boston, secretary-treasurer. E. W. Harris of the Darco Corporation, New York, and Carl Snyder of the National Bureau of Standards, Washington, D. C., were elected to the division's executive committee.

NAPA Educational Units

The education committee of the National Association of Purchasing Agents has been expanded with the purpose of better covering the activities to which its efforts are directed. It now comprises a policy determination group, six development divisions, nine district units, and a group of consultants. The general chairman of the committee is George W. Aljian, of the California & Hawaiian Sugar Refining Corporation, San Francisco. Mr. Aljian also heads the policy group.

Heads of the other units are the following:—

Education in local associations, John K. Conant, of the American Viscose Corporation, Philadelphia.

How to buy, Wilson B. Wight, of the Bausch & Lomb Optical Company, Rochester, N. Y.

Intracompany activities, Stanley W. MacKenzie, of the United States Rubber Company, New York.

Purchasing literature, Arthur G. Pearson, of the American Meat Institute, Chicago.

Schools and colleges, Robert C. Kelley, of Dresser Industries, Inc., Cleveland, Ohio.

Visual education, Ralph O. Keefer, of the Aluminum Company of America, Pittsburgh.

The district chairman are:—

1. M. F. McClane, of the Washington Cooperative Farmers' Association, Seattle.
2. G. E. Heidinger, of the Stanolind Oil & Gas Company, Tulsa.
3. Herbert DeSkaebler, of the Lambert Pharmacal Company, St. Louis.
4. William C. Orth, of the Rinshed-Mason Company, Detroit.
5. John Crawford, of the Sun Life Assurance Company of Canada, Montreal.
6. Milton R. Maddux, of the Philip Carey Manufacturing Company, Cincinnati.
7. Fred E. Lind, of the Louisiana Coca-Cola Bottling Company, New Orleans.
8. J. A. Cooney, of the International Salt Company, Retsof, N. Y.
9. Daniel G. Donovan, of the Pepperell Manufacturing Company, Boston.

Wartime Controls

—Continued from page 3

the old-line agencies of the government rather than set up a new agency. Each commodity would be delegated to the department which is regularly concerned, meaning that the Department of Agriculture would handle foods, the Department of Interior fuels, and the Department of Commerce other materials and products.

It is not contemplated that a comprehensive system of controls over materials, products and productive facilities, such as was had during the war, will be necessary to achieve the objective, he stated, but authority to carry out restricted priority and allocation controls is necessary to permit the direction of materials for use in meeting the most urgent and critical needs of the economy.

The controls, he continued, should be limited in character and applicable only to scarce commodities. Adequate authority within the limitations should be provided to issue set-aside orders and to issue priorities; to issue limitation orders; and to control inventories and allocate scarce materials. He did not name the commodities that might be involved in such a control program other than to point to the problem of steel and how its shortage vitally affects all other industries.

Fats and Oils 1948

—Continued from page 3

change difficulties of European and sterling area countries.

"In addition, in view of the likely decline in its indigenous supplies of animal and vegetable fats over the calendar year 1948, much greater imports of industrial (and perhaps edible) fats will probably be required by the United States if that country is to maintain its present level of food consumption and industrial activities, and especially if it is to be the major source of economic aid under a planned recovery program such as the Marshall plan. The decline in United States indigenous production having come earlier than was anticipated, it is inevitable that the United States, from 1948 onwards, will be compelled to rely more heavily on the Philippines for copra and on Sumatra for palm oil."

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United States military motor gasoline requirements coverage has been revised upward from 92.5 to 98.2 percent, according to Howard P. Page, acting chairman of the government's committee on military and government petroleum requirements.

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1—Sturtevant 36" Rock Emery Mill.
1—Gruendler 5" x 6" Jaw Crusher.
1—Sharples No. 6 Centrifuge.
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1—Jacketed Pebble Mill, 68"x78".

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1—5' Gayco Double Whizzer Separator and motor.
1—Model 100 Sprout Waldron "V" Style Mixer.
2—24" x 24" Sperry Plate & Frame open delivery filter presses.
1—6' dia. x 6' long Thropp Silex-lined Pebble Mill.
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3—Rotex and Day Sifters, 20"x48", 60"x84", 28"x28".
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8—Day, Porter pony mixers, 3 gal to 40 gal.
2—New De Laval 26" extractors, P.D.
2—150 and 500 gal. heavy duty autoclaves, jacketed and agitated.

PORTABLE AGITATORS from ¼ to 3 H.P.-AC & DC, both slow speed and high speed.

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Specific gravity separator for sale. A Sutton Steele and Steele model B-100 separator. Never used. $1,000 complete. OPD 247.

Two Economic boilers, one 100 HP, other 85 HP latter with stoker. Complete operating unit available in place. Stack included. Recently inspected and approved. One 8 in. Pomona deep well pump with 15 HP motor; 175 GPM at 185 ft. head. Coleman Model 10S spectrophotometer and Coleman Model 3A pH electrometer, $350. Write PO Box 431, Alexandria, Va.

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Drying facilities available for chemical. Capacity 3,000-5,000 lbs. dry powder per week. OPD 243.

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Interested leasing facilities Metropolitan area for manufacturing fine chemicals. Equipment should include two stills, one 500-gallon glass-lined and one 500-gallon iron. Manufacturing process and supervision will be provided. OPD 249.

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Special cut pyroligneous acid-filtered and distilled good color with strong smoke flavor. For samples and prices contact—American Turpentine & Tar Co., Ltd., P.O. Box 1256, New Orleans 10, La.

For sale—powdered barium fluosilicate 14 barrels, (3,850 pounds) good condition. Will sacrifice. McClain Brothers Company, 127 2nd St., N.E. Canton, Ohio.

For sale—6 barrels Yellow Lake No. 63 Y.D. DuPonts. Also 1,000 used export cases containing 6 1-gallon square cans. OPD 233.

Irish Moss—powdered; also crude; offered. Inquiries solicited from large users. OPD 237.

Chemical firm with good contacts among textile mills, tanners and other industries, can sell resin emulsions of merit, especially creaseproof finishes. Address OPD 245.

MATERIALS WANTED

Require large quantities sodium bichromate, potassium bichromate, chromic acid flakes, caustic soda, for long time contracts. Good values paid. Submit prices and details to Octagon Process, Inc., 201 62nd St., Brooklyn 20, N. Y.

By-product chlorinated hydrocarbon solvent mixtures. Please send analyses and price idea in tankcars or carload drum lots. The Curran Corporation, South Canal Street, Lawrence, Massachusetts.

Caustic Soda, Lye and Soda Ash wanted. Will pay spot cash. OPD 244.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities, all kinds. Particularly interested in gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. OPD 248.

PARTNER WANTED

Active partner wanted with know-how and some capital to take charge of small chemical plant now equipped for sulphonations. OPD 239.

Lacquer manufacturer—well established, seeks either a man controlling volume of business or lacquer chemist familiar with manufacturing, sales and business administration. To right man can offer attractive, profit-sharing proposition or partnership interest for nominal investment. All replies, with full particulars will be held strictly confidential. OPD 232.

POSITIONS VACANT

Production engineer—Experienced in modern methods of manufacturing all types of synthetic resins for coatings, including alkyds, pure and modified phenolics, esters, etc. Give full details as to experience and education. Address your opportunity to OPD 222.

Paint Chemist experienced in paint and varnish formulation for sealers, caulking compounds and adhesives. Permanent position with expanding Midwest manufacturer. OPD 227.

Technical sales — opportunity with nationally prominent manufacturer of paint raw materials. New York Metropolitan area. Prefer man under 30 with some technical knowledge of paint industry, combined with sales ability. Write in detail giving complete background, including education, business experience, and required starting salary. Enclose recent photo if available. OPD 238.

Paint color matcher and formulator—Paint manufacturer has responsible position open under supervision of chief chemist. Permanent position—5-day week. State qualifications fully and salary desired. OPD 240.

Paint man exp'd: Are you 35 to 45 years of age? Do you know paint production? Have you managed a factory? Are you capable of executive responsibility? Do you seek an opportunity for the fuller use of your capabilities? If you can answer the above affirmatively & are preferably a chemist, with knowledge of formulation, tell us about yourself. We are an established manufacturer of quality products—Trade & Production Finishers. Our staff knows of this advertisement. Confidence assured. OPD 242.

Chemist with well rounded experience in plastics for the protective coating industries. For laboratory staff of North Jersey manufacturer. Give education, experience and remuneration in first letter. Excellent opportunity. Reply OPD 246.

POSITIONS WANTED

Sales executive. Chemist. Twenty-five years experience selling, supervising salesmen and agents, and directing technical sales service. Available immediately for field or management position with chemical or raw materials manufacturer. OPD 213.

Pharmaceutical chemist: experienced in production, purchasing and personnel management. 15 years executive experience with Midwestern drug and cosmetic concern. Ability to create and develop new items, conversant with label requirements and package sales appeal. Assist in sales promotional work. Seeks affiliation with medium size pharmaceutical house. Age 46. Best references. OPD 220.

POSITIONS WANTED

Paint chemist, B.S., age 26. One year paint experience. Production, control, some development. Other experience. Interested in paint and allied fields. Within commuting distance of New York City. OPD 234.

For plant managers, production supervisors, engineers, research chemists, bacteriologists, analysts, pharmacologists, salesmen, sales managers, and technically trained executives, call or write Chemical Department. Position Securing Bureau, Inc. (Agency), 45 John Street, New York City. Telephone COrtlandt 7-9650.

Brazil to Construct National Petroleum Refinery

The government of Brazil has set aside 25,000,000 cruzeiros for the National Petroleum Council to construct the Refinaria Nacional de Petroleo. The construction of the refinery is considered by the Brazilian government to be an important step in the exploitation of its own petroleum reserves.

Trade Briefs

Shell Pipeline Corporation has completed negotiations to borrow $10,000,000 from seventeen banks. Proceeds of the loan will be used in connection with the construction of a pipeline from Cushing, Okla., to Wood River, Ill.

South Penn Oil Company, Bradford, Pa., has been offered 44,747 shares of its $12.50 par common stock by shareholders. South Penn plans to purchase not more than 200,000 shares of its outstanding common stock.

American Petroleum Institute has released a booklet entitled "How to Save Money on Heating," for distribution throughout the country. It contains suggestions on how the home owner can save up to 60 percent on fuel.

Texas Company and Standard Oil Company of California have agreed to back loans totaling $5,000,000 which have been negotiated by the Overseas Tankship Corporation, which is jointly owned by the companies.

H-A-V-E!!

CENTRIFUGALS
3—DeLaval No. 600 Oil Purifiers, steel bowl & discs.
2—Sharples No. 6 super pressuretite.

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1—Ether column, 4'6" dia., 236 sq. ft. approx. 22'6" high, with dephlegmator approx. 5'.
1—Alcoholizer column, 14' high, 13 plates oval shape 32" x 36" dopper.
1—Distilling column 8'4" dia. to 10' dia. x 69' high, 19 plates with C. I. bubble caps.

CONDENSERS
2—Worthington, 29" dia. x 11', C. I. heads steel shells and brass tubes, 1,150 sq. ft.
1—Steel shell 24" dia. x 9' long, copper tubes 342 sq. ft.

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1—Oliver Rotary 6' x 4' Acid Resistant.
2—Oliver-Sweetland No. 5 Filters, 20 Bronze leaves, 3" centers. NEW.
1—C. I. 30" x 30" recessed plate press, 35 plates.
1—Sperry 30" x 30" bronze plate and frame press.
2—Shriver 30" x 30" wood plates and frames.
2—SPARKLER 18-D-4, stainless steel —NEW.

MILLS
2—Thropp, plastic or rubber 30".
2—Ross, paint, 16" x 40".
1—Stedman, Hammer Mill type BX with 20 HP motor.

MIXERS
10—Gemco powder blenders, copper construction, conical shape, 25, 50, 300 and 500 lbs.
3—Day, double ribbon spiral powder mixers 50, 600 and 200 lbs. cap.
1—Read, heavy duty, jacketed and tilting type 5 bbl., with double arm and Kneader bars.
2—Read Co., heavy duty, 150 gal. working cap., jckt'd & tilting, 2 sigma blades, 1 mixer, stainless.

PRESSES—TABLET
5—Colton rotary No. 2; 16 punch head will take up to ⅝" tablet.
9—Stokes rotary D4; 16 punch head to 1" tablet.

KETTLES
1—Dopp kettle—500 gal.—jacketed and agitated.
1—Steel kettle, 350 gal.—2/3 jacketed, excellent condition.
1—Aluminum kettle, 300 gal.—2/3 jacketed, open top.
1—Pfaudler glass lined kettle, 100 gal., jacketed, agitated and tilting.
12—New stainless steel kettles, 50, 100, 150, 200 and 300 gals., 2/3 jacketed and open top.

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1—Day 40 gal. 2 Speed Pony Mixer, M.D.
1—Day 80 gal. Brighton Mixer, M.D.
5—O & T Lead Mixers, 100 gal., M.D.
1—American Tool 48" Stainless Steel Suspended Style Extractor.
1—American 12" Stainless Steel Centrifuge.
4—Dryers Double Drum Atmospheric, 22" x 38" to 32" x 90".
1—Baker Perkins No. 16½ Mixer with 30 HP. A.C. Motor.
1—Pfaudler Horizontal S.S. Jacketed Tank, 6,000 gals., with Ag.
2—Sweetland No. 5 Filters, 20 Bronze Leaves, 3" O.C.
1—Oliver 8' x 12' Rotary Filter.
1—Copper Vacuum Pan, 6' dia.
Send for Bulletin A-19 Listing Agitators, Elevators, Filters, Grinders, Kettles, Tanks, Labelers, Retorts, Sterilizers, Case Sealers, etc.
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Centrifugal: 30" Rochester, suspended.
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Mixers: Jack, ribbon type, 80, 160 gal.
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Kettles: 60 and 100 gal. stain. steel.
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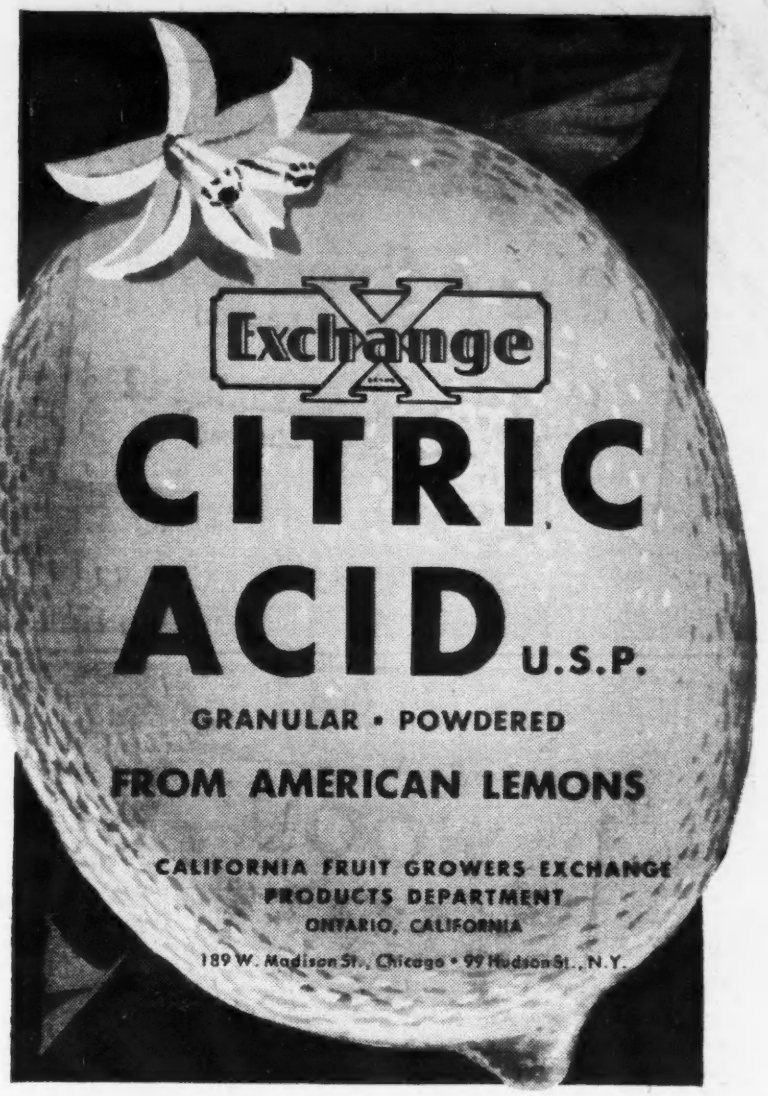

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